

20040114.qrp v03_n165.qrl.20040114

Date: Wed, 14 Jan 2004 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3165

QRP-L Digest 3165

Topics covered in this issue include:

- 1) [165255] Re: FISTS
by "Emmersom Bigguns" <n8ie@woh.rr.com>
- 2) [165256] Re: Elmer 160: Lesson 6
by "John J. McDonough" <wb8rcr@arrl.net>
- 3) [165257] Re: FISTS
by Dan Harriman <kc5gxl@sbcglobal.net>
- 4) [165258] For Sale: "Code Quick" Morse Code Learning Course
by "Larry Przyborowski" <k3peg@comcast.net>
- 5) [165259] RE: Tenna Dipper Kits
by "Lew Paceley" <lew@paceley.com>
- 6) [165260] FS: MFJ Tuners
by Jim Janack <n2jj@ix.netcom.com>
- 7) [165261] Re: FISTS
by Nick Yakanovich <k3ny@cablespeed.com>
- 8) [165262] Tenna Dipper Sales
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 9) [165263] AmQRP updates (reformatted re-post)
by "George Heron N2APB" <n2apb@clearviewcatv.net>
- 10) [165264] How 'Bout Them Foxii?
by "Bob Schreibmaier" <k3ph@ptd.net>
- 11) [165265] FOX: Again
by Karl Larsen <k5di@zianet.com>
- 12) [165266] Re: FISTS
by KJ7UN <kj7un@kj7un.com>
- 13) [165267] Re: Need Emtech NW-20 Trouble Shooting Info
by "Juan Ferrari" <puntrad@usa.net>
- 14) [165268] Re: FISTS
by Dan Harriman <kc5gxl@sbcglobal.net>
- 15) [165269] Re: Antenna Dilemma
by "James R. Duffey" <JamesDuffey@comcast.net>
- 16) [165270] Re: How 'Bout Them Foxii?
by Garie Halstead K8KFJ <khyberpass65@yahoo.com>
- 17) [165271] RE: How 'Bout Them Foxii?
by "Fred \((VE3FAL\)" <flesnick@tbaytel.net>
- 18) [165272] Re: Elmer 160: Lesson 6
by Michael Neverdosky <mikenever@earthlink.net>
- 19) [165273] Re: How 'Bout Them Foxii?

by "Lawrence Makoski" <Makos327@worldnet.att.net>
20) [165274] BPL in the news
by "Charles W3KC" <w3kc@starpower.net>
21) [165275] RE: How 'Bout Them Foxii?
by "Doc K0EVZ" <dock0evz@earthlink.net>
22) [165276] Tenna Dipper Kits
by "Gene Sailsbury" <gsailsbury@mobil1.net>
23) [165277] Re: FISTS calling CQ
by Bob KB2FEL <kb2fel@yahoo.com>
24) [165278] Re: How 'Bout Them Foxii?
by "George, W5YR" <w5yr@att.net>
25) [165279] RE: Index Lab plus plus
by "Burl A. Keeton" <n5duq@juno.com>
26) [165280] RE: FISTS calling CQ
by "Dale Botkin" <dale@botkin.org>
27) [165281] RE: slide rules (was computers...)
by "Ron McConnell" <rcmcc@earthlink.net>
28) [165282] FS OR TRADE TT Century 22
by "George Osier" <gosier@twcnny.rr.com>
29) [165283] Front end filters
by "Rich Johnson" <rjohnson390@comcast.net>
30) [165284] Re: Front end filters
by "George, W5YR" <w5yr@att.net>
31) [165285] Re: How 'Bout Them Foxii?
by "Trevor Jacobs" <kg6cyn@softhome.net>
32) [165286] Re: Front end filters
by Cosy MUTO <jh5esm@hotmail.com>
33) [165287] GibsonTech website-kits
by Ed Tanton <n4xy@earthlink.net>
34) [165288] Re: How 'Bout Them Foxii?
by "Doc - W5TB" <w5tb@arrl.net>
35) [165289] Re: BPL in the news
by "Mike Yetsko" <myetsko@insydesw.com>
36) [165290] Tenna Dipper Update
by "Gene Sailsbury" <gsailsbury@mobil1.net>
37) [165291] You must be an ARRL member if....
by Alex <kr1st@amsat.org>
38) [165292] RE: BPL in the news
by "AI2Q" <ai2q@adelphia.net>
39) [165293] Wiring protocols
by Kenneth Cooperstein <cprstn54@att.net>
40) [165294] RE: Binocular ferrite cores
by "Ken Alexander" <kpathai@hotmail.com>
41) [165295] RE: How 'Bout Them Foxii?
by "Bob Schreibmaier" <k3ph@ptd.net>
42) [165296] RE: How 'Bout Them Foxii?
by Karl Larsen <k5di@zianet.com>
43) [165297] FOX: AC7A last night

by ac7a@earthlink.net
44) [165298] SW+20 FS agn pse
by "Thomas Lewis" <thomas_h_lewis@msn.com>
45) [165299] gel cell question..
by "Sergio T. Ruiz" <sergio@philway.com>
46) [165300] hw-8 power connector..
by "Sergio T. Ruiz" <sergio@philway.com>
47) [165301] re: For Sale, kits and radio - all are sold
by lfcpa@juno.com
48) [165302] Re: Front end filters
by Bruce Muscolino <w6toy@erols.com>
49) [165303] Re: Need Emtech NW-20 Trouble Shooting Info
by "Rod NØRC" <rc7039-hr@yahoo.com>
50) [165304] Re: GibsonTech website-kits
by Dale Botkin <dale@botkin.org>
51) [165305] A Ham's Interesting Page...
by "Michael Melland, W9WIS" <w9wis@charter.net>
52) [165306] Re: GibsonTech website-kits
by Tom Severt <n2uhc@yahoo.com>
53) [165307] Cabela's Gel Cell deal question
by ARDUJENSKI@aol.com
54) [165308] Free NC-20 to a new licensee
by rich@mulveyfamily.com
55) [165309] gel cell on the cheap..
by "Sergio T. Ruiz" <sergio@philway.com>
56) [165310] Re: Cabela's Gel Cell deal question
by Karl Larsen <k5di@zianet.com>
57) [165311] Re: gel cell question..
by John Oppenheimer <john@KN5L.net>
58) [165312] NJQRP PSK31 Audio Beacon
by "Mark Andrews \ (KE4MA\)" <KE4MA@KE4IOF.com>
59) [165313] Re: using balloons to raise antennas
by "Ian Wilson" <ianmwilson@earthlink.net>
60) [165314] Antenna Dilemma
by "Farnes_Quinn" <Farnes_Quinn@allergan.com>
61) [165315] For Sale- DSW-20
by "NORM KLIEMAN" <k9nk@msn.com>
62) [165316] Re: Front end filters
by w2bvh <w2bvh@comcast.net>
63) [165317] End fed wire antennas - How to?
by "Anthony Felino" <wn6q@pacinfotech.com>
64) [165318] PLT banned in Austria
by "Leon Heller" <leon_heller@hotmail.com>
65) [165319] Re: Front end filters
by Bruce Muscolino <w6toy@erols.com>
66) [165320] Tenna Dipper Update
by "Gene Sailsbury" <gsailsbury@mobil1.net>
67) [165321] RE: FISTS

by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
68) [165322] RE: You must be an ARRL member if....
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
69) [165323] Wireless network RFI Question
by "John Dooley W6ZIP" <portscom@hotmail.com>
70) [165324] Re: End fed wire antennas - How to?
by "Patrick Schwarz - KB8RTZ" <kb8rtz@comcast.net>
71) [165325] RE: Wireless network RFI Question
by Mark Schoonover <schoon@amgt.com>
72) [165326] New EA-QRP club site
by "Juanjo Pastor" <ec5aca@wanadoo.es>
73) [165327] More antenna questions.
by "Patrick Schwarz - KB8RTZ" <kb8rtz@comcast.net>
74) [165328] Re: Wireless network RFI Question
by <ah7i@atl.org>
75) [165329] Re: Front end filters
by "Noyce, Bill" <william.noyce@hp.com>
76) [165330] RE: Wireless network RFI Question
by "Ken Alexander" <kpathai@hotmail.com>
77) [165331] Tenna Dipper Kits SOLD OUT
by "Gene Sailsbury" <gsailsbury@mobil1.net>
78) [165332] Re: Wireless network RFI Question
by "Oldtimer" <res075cz@gte.net>
79) [165333] Re: Wireless network RFI Question
by Karl Larsen <k5di@zianet.com>
80) [165334] What Part of Sun Spot Cycle ????
by "Pat Whelton" <pwhelton@earthlink.net>
81) [165335] FYBO; 160m Beacon;
by "sslyon" <sslyon@megalink.net>
82) [165336] 160m Beacon: 1.8123mHz.
by "sslyon" <sslyon@megalink.net>
83) [165337] Re: What Part of Sun Spot Cycle ????
by "John J. McDonough" <wb8rcr@arrl.net>
84) [165338] Re: Front end filters
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
85) [165339] OT: HP Lab Equipment
by Ed Tanton <n4xy@earthlink.net>
86) [165340] Cable for ScQRPion Paddle
by Jerry Haigwood <w5jh@swlink.net>
87) [165341] RE: What Part of Sun Spot Cycle ????
by "Bill Rowlett" <kc4atu@hotmail.com>
88) [165342] SMT resistor kit needed
by kd4pbj@att.net
89) [165343] Re: Cable for ScQRPion Paddle
by Bob W7AVK <rsrolfne@atnet.net>
90) [165344] RE: QRP ++
by "Burl A. Keeton" <n5duq@juno.com>

Date: Tue, 13 Jan 2004 18:40:41 -0500
From: "Emmersom Bigguns" <n8ie@woh.rr.com>
To: <charlescurrey1@imcingular.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [165255] Re: FISTS
Message-ID: <001901c3da2e\$a857e830\$0400a8c0@home5vtnw1ykj9>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chuck,
I know you wanted a non-FISTS reply but I can't resist.

Most FISTS members who call CQ FISTS are looking for other FISTS members to gain points for awards.
But FISTS is more than just for award chasing, it's for the promotion of CW and camaraderie among Hams.

If you answer that call, more often than not you should be greeted by a friendly op who will most likely try to recruit you once he/she finds out you'r not a FISTS member. You might also get the pure "number chaser" who will thank you and move on. Very rarely you might get that old curmudgeon who will totally blow you off, but thank goodness that is a very rare occurrence.

So I say life is short, answer the call and enjoy the QSO. :-)

72, oo
Dan, N8IE
FISTS #4985

----- Original Message -----

From: "CHARLES CURREY" <charlescurrey1@imcingular.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, January 13, 2004 4:49 PM
Subject: FISTS

> I have a slightly off topic question for the group on operating. When I hear a US station calling CQ DX I have allways thought that the op wanted to contact a foreign country and I did not answer. If I was correct about that, then is it also correct not to answer an op calling CQ FISTS, because he or she is only calling other FISTS members and I am not one? What do the rest of you non-FISTS folks do? Thanks in advance for the info.

>

> Chuck Currey, kg4qqh
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.560 / Virus Database: 352 - Release Date: 1/8/2004

Date: Tue, 13 Jan 2004 18:54:03 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <rbaxter@cybertrails.com>
Subject: [165256] Re: Elmer 160: Lesson 6
Message-ID: <033c01c3da30\$86513460\$090044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Very good!

Unlike some of the earlier omissions, that one was intentional. I hoped that by now you were getting comfortable enough with this stuff to pick up on that sort of thing. I was a little concerned that I got no emails about people having the problem, but perhaps those that aren't behind just breezed right by it like you did.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Bob Baxter" <rbaxter@cybertrails.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 13, 2004 5:50 PM
Subject: Re: Elmer 160: Lesson 6

>
> From: "John Bohnert" <johnb@elmhurst.edu>
>
> However, when I wish to build the files for use in the simulator I
> > receive the error message <Executable code and data must be defined in
an
> > appropriate section>

>
> I ran into a similar problem doing 6c by modifying 6b. It omits listing
L1
> and L2 under "Output". When I compared it to the downloaded version I
> picked up on the problem and after making the additions it built ok.
>
> Bob Baxter AA7EQ
> Bisbee, Az.
>
>

Date: Tue, 13 Jan 2004 22:55:54 -0600
From: Dan Harriman <kc5gxl@sbcglobal.net>
To: qrp-l@Lehigh.EDU
Subject: [165257] Re: FISTS
Message-ID: <6.0.1.1.1.20040113224856.02ab2130@pop.sbcglobal.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Chuck et al;

I think that if someone is calling a certain factor and you are not one,
then just as you said about someone calling CQ DX, it wouldn't be
proper to answer them. If someone is calling CQ Rhode Island and
you live in California, you wouldn't answer them, so why would calling
CQ FISTS, CQ 1010, CQ QRP be any different?

This is my opinion, and only my opinion. As usual, your mileage
may vary. { ; ^)

73,

Dan Harriman
Orange, Texas

At 15:49 01/13/2004, you wrote:

>I have a slightly off topic question for the group on operating. When I
>hear a US station calling CQ DX I have allways thought that the op wanted
>to contact a foreign country and I did not answer. If I was correct about
>that, then is it also correct not to answer an op calling CQ FISTS,
>because he or she is only calling other FISTS members and I am not one?
>What do the rest of you non-FISTS folks do? Thanks in advance for the info.

>

>Chuck Currey, kg4qqh

=====
Proud member of QRP-ARCI # 9126; QRP-L # 431; ARS # 25; FISTS # 1572;
QRPP-l # 702; 1010 Int.; FP # 555; SOC # 569; NETXQRP # 45; ARRL; ARRL-VE;
AMQRP; RU-QRP # 43; MQFD # 5; grid EM30cc

-

If at first you don't succeed, maybe you shouldn't try
sky-diving! dit dit

=====

Date: Tue, 13 Jan 2004 19:01:26 -0500
From: "Larry Przyborowski" <k3peg@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [165258] For Sale: "Code Quick" Morse Code Learning Course
Message-ID: <01d001c3da31\$8e5d55c0\$6401a8c0@K3PEGMAIN>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

"Code Quick" Morse Telegraphy Learning Course
This is the 1995 issue as sold by Dr. Jerry Wheeler, W6TJP.

The course contains 6 (six) cassette tapes of Morse code lessons, a set of
"sound-alikes" flash cards and an instruction manual all in a handy plastic "book
like"
storage case. This set is in very good to excellent condition, and the
"sound-alikes" flash card set is uncut and unused. There's only one small
ink
mark beside the instruction manual's text.

It's yours for only \$23 US (postpaid) to a USA destination.

72, Larry K3PEG

Date: Tue, 13 Jan 2004 18:03:04 -0600

From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [165259] RE: Tenna Dipper Kits
Message-ID: <008401c3da31\$c8c4cfe0\$6501a8c0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gene,
I'll second that, it's a great kit. Thank you 4SQR group. I used my Tenna Dipper just this evening to tune my vertical for the fox hunts tonite. The kit goes together quickly and is very portable vs. the trusty MFJ259B.

The Tenna Dipper will be permanent part of my "to go" bag. Don't wait, don't delay, this is \$25 well spent on yourself, never mind the bonus of a good deed for Ozarkcon. Plus it's great code practice at 27 WPM (or 15 WPM) ;-)

72/73,
Lew
N5ZE

PS - And thanks Steve, KD1JV and Dan, N7VE for contributing the technology.

PPS - Here's the URL with the purchase info:
<http://4sqr.com/kits/kits.htm>

Date: Tue, 13 Jan 2004 16:49:32 -0800 (PST)
From: Jim Janack <n2jj@ix.netcom.com>
To: qrp-1@lehigh.edu
Subject: [165260] FS: MFJ Tuners
Message-ID: <14440284.1074041373745.JavaMail.root@beaker.psp.pas.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have the following antenna tuners for sale:

MFJ 941E \$70 shipped

MFJ 941D \$50 shipped

Both are in nice condx and include manuals.

Jim N2JJ

Date: Tue, 13 Jan 2004 20:10:39 -0500
From: Nick Yokanovich <k3ny@cablespeed.com>
To: charlescurrey1@imcingular.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165261] Re: FISTS
Message-ID: <4004970F.5090508@cablespeed.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

(CHARLES CURREY) wrote:

> I have a slightly off topic question for the
group on operating. When I hear a US station calling
CQ DX I have allways thought that the op wanted to
contact a foreign country and I did not answer. If I
was correct about that, then is it also correct not
to answer an op calling CQ FISTS, because he or she
is only calling other FISTS members and I am not one?
What do the rest of you non-FISTS folks do?
>

Chuck, It isn't the same situation. Someone calling CQ FISTS is mainly
telling you he is a FISTS member. A FISTS member will be happy to QSO
with anyone. Go ahead and answer!

Nick K3NY FISTS Nr 3549

Date: Tue, 13 Jan 2004 19:40:39 -0600
From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [165262] Tenna Dipper Sales
Message-ID: <0bb901c3da3f\$6b1d8f40\$4cc03fd8@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Lew N5ZE thanks for the note. How can I forget Dan N7VE for the PIC chip and the great turn around time when I forgot to order them. There are 43 kits left. You may email me and I will put one back for you. Orders are coming fast.
<http://4sqr.com/kits/kits.htm>

72
Gene NOMQ
4SQR Group

Date: Tue, 13 Jan 2004 21:08:09 -0500
From: "George Heron N2APB" <n2apb@clearviewcatv.net>
To: "NJQRP" <njqrp@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [165263] AmQRP updates (reformatted re-post)
Message-ID: <007401c3da43\$4383a1f0\$6400a8c0@n2apb1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the long lines on the original post today. This one should be better, done on the normal system here at home. Lots easier to read.

Also, I forgot to mention our annual run of the Rainbow Tuner Kit ... yes we will be doing it, just as soon as we get some other things cleared out of the way. Please watch the Lists and the AmQRP/NJQRP web pages for notification when we start accepting orders. Tnx.

73, George N2APB

Now that the holidays have passed and most are back to the daily grindstone, we thought we'd provide an update on a bunch of the club activities.

Atlanticon QRP Forum 2004 - The flagship QRP weekend of the year, hosted by the NJQRP and sponsored by the AmQRP, is being held on March 26-27 at "the usual place": Holiday Inn Select in Timonium, just north of Baltimore, Maryland. Now in its sixth year, we again have a great speaker lineup for top-notch presentations all day long on Saturday, including K1SWL (75m rigs & antenna designs), N2CX (component measurement), AA0ZZ (PIC-EL project board), WB8RCR (Elmer 160), WA3WSJ (antennas & field operating), and N2APB (Micro908 for component measurement). The characteristically cool and famous "Atlanticon Kit" this year is currently being prepared for mailing to those

who pre-register. It is designed by N2CX and "Mr. MeltSolder" KD1JV, who will also be a featured guest this year. Moovoo stuff around on the bench to make room for this "Elsie Project" ;-). More complete information and pre-registration details are available at www.njqrp.org/atlanticon

Homebrewer mag -- Issue #2 is at the printers (for several weeks already) and will be mailed later this month. We've seen the proofs and the new/improved quality is just wonderful. This is a super issue and I'll put the contents and HB Extra content on the website this week. Issue #3 is nearly complete and will be sent to the printer within two weeks, thus getting us back on schedule with a February mailing for that one. www.amqrp.org/homebrewer/homebrewer.html

DDS Daughtercard Kits - We ran out of stock just before Christmas and re-ordered everything so we could resume shipping, which has again started. So if you have a DDS Kit on order you can expect it in your mailbox by the end of the week. www.njqrp.org/dds

Islander Pad Cutters - We similarly ran out of stock recently and have been waiting for another shipment of this popular item. This is the special diamond-tipped end mill described in many magazines by Dov Rabinowitz AD0V that is great for cutting little 5mm isolated pads in copper-clad material. We have also resumed shipping of this item and those with orders can expect a package in the mail this week. www.njqrp.org/islanderpadcutter

Islander Audio Amps - We still have some of these inexpensive audio amps that can be homebrewed Manhattan-style using the Pad Cutter (above). These are a great way to learn how to use the Pad Cutter and to make a simple audio amp that can be used for many purposes (especially with the PIC-EL Kit to boost its mini-speaker output if your hearing is like mine :-). Be on the lookout for this amp and construction style to be featured in the Circuit Construction section of the ARRL Handbook next year. www.njqrp.org/islanderamp

PIC-EL Kits - The "Pickle Board" kit is on schedule for shipping within days, so those following the Elmer 160 course will soon be able to start the interactive lab exercises with instructor WB8RCR. Parts are being sorted and we're just awaiting the pc board delivery from the fab house. This is a very cool kit with a number of great end-uses, even if you don't follow along with the course. VFO, memory keyer, remote controller, and other projects are all possible, in addition to having a built-in PIC programmer. A "Pickle Test Program" even comes pre-programmed in the PIC contained in your kit. So many have ordered this kit that we'll be placing a list of all the pending orders onto the website this week - in this way you can check that your order has indeed been received and logged. www.amqrp.org/elmer160/board

Micro908 Antenna Analyzer - We're a little slower than expected on readying

this major project for shipping, but progress is being made. We'll soon be announcing the kit pricing options and will be opening up ordering for everyone. Frankly, the number of reservations received thus far have just about filled the number of kits being done in the first round. So if you haven't reserved a kit already (see website on how to do this), chances are growing slimmer that you'll be able to get a kit when it first becomes available. www.amqrp.org/kits/micro908

VE3DNL Marker Generator Kits - This kit is probably among the most useful low-cost items you can get for the shack. As mentioned the other day by KI6DS, a limited supply is still available from NorCal . but when they're gone, they're gone. www.amqrp.org/kits/ve3dnl

BLT Aluminum Cases - The perfect-sized enclosure for many of your QRP projects is now separately available from NorCal and KI6DS. Doug made a special purchase of these clamshell cases -- both pre-drilled for use with the BLT tuner, and undrilled for your generic project use - and now you can get this one of these limited supply items. www.amqrp.org/kits/blt_case

DISCONTINUED PRODUCTS ..

NJQRP "Sniffer" Field Strength Meter Kits - Sold out! Orders no longer being accepted. www.njqrp.org/sniffer

Precision VXO Kit - Sold out! Orders no longer being accepted. (All orders currently submitted will be filled. Write us if you have questions about a possibly pending order.) www.njqrp.org/pvxo

NJQRP "Badger" SmartBadge - Sold out! Orders no longer being accepted. www.njqrp.org/badger

NK0E "Serial CW Sender" Kit - Sold out! Orders no longer being accepted. (All orders currently submitted will be filled. Write us if you have questions about a possibly pending order.) www.njqrp.org/palmserialsender

PSK31 Audio beacon Kit - Sold out! Orders no longer being accepted. www.njqrp.org/psk31beacon/psk31beacon.html

NJQRP "Website-on-CDROM" - Sold out! Orders no longer being accepted. www.njqrp.org/cdrom

We hope everyone is already starting to have a healthy and prosperous 2004. We're going to see some really fun times this year with the AmQRP Club and we're glad you're all along to share in the ride!

72/73, George N2APB n2apb@amqrp.org

and the entire AmQRP management team
www.amqrp.org

Date: Tue, 13 Jan 2004 21:19:44 -0500
From: "Bob Schreibmaier" <k3ph@ptd.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [165264] How 'Bout Them Foxii?
Message-ID: <000c01c3da44\$dfef880\$6400a8c0@k3ph>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Both Foxii sound good into Eastern Pennsylvania tonight.
Hope they sound good into YOUR QTH! Go get 'em!

72/73,

$$\begin{array}{ccccccc} \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} & \diagup \\ \diagdown & \diagup & \diagdown & \diagup & \diagdown & \diagup & \diagdown \\ \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} & \diagup \\ \diagdown & \diagup & \diagdown & \diagup & \diagdown & \diagup & \diagdown \\ \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} & \diagup \\ \diagdown & \diagup & \diagdown & \diagup & \diagdown & \diagup & \diagdown \\ \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} & \diagup \\ \diagdown & \diagup & \diagdown & \diagup & \diagdown & \diagup & \diagdown \end{array} \quad \cdot \cdot$$

```
+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net |
| Kresgeville, PA 18333 | http://www.dxis.org  |
+-----+
```

Date: Tue, 13 Jan 2004 19:35:32 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [165265] FOX: Again
Message-ID: <Pine.LNX.4.44.0401131928020.5280-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thomas and I are both Fox. He lives in Tucson AZ and I live in Las Cruces, NM about 230 miles away. We have worked each other exactly one time last year. Thomas can't hear Karl when he is Fox, Karl can't hear Thomas when he is Fox.

I got Craig at 0214 about and it was a for sure contact. Craig got my numbers first time and me the same.

Well my FT-817 is listening on 7.041 with my 88 foot dipole connected. Others are now calling CQ on Thomas's frequency. A ka1fx is very strong here. Thomas is not.

Now for Nova on the TV.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Tue, 13 Jan 2004 19:29:38 -0700
From: KJ7UN <kj7un@kj7un.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [165266] Re: FISTS
Message-ID: <opr1qujohnci47zn@mail.kj7un.com>
Content-Type: text/plain; format=flowed; charset=iso-8859-15
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Hi, Chuck and the group -

As a FISTS member myself, if I'm calling CQ FISTS, then I am looking for another FISTS member to work (like when I'm calling CQ 10-10). I agree with Dan completely. You SHOULD get a friendly response and possible recruitment or a FIST might let you know they are working for a specific contact and say hello and goodbye quickly and continue calling. I know that I would welcome ANY responding station with a friendly HELLO!

73 de KJ7UN, Laura

On Tue, 13 Jan 2004 18:40:41 -0500, Emmersom Bigguns <n8ie@woh.rr.com> wrote:

> Chuck,
> I know you wanted a non-FISTS reply but I can't resist.
>

> Most FISTS members who call CQ FISTS are looking for other FISTS members
> to
> gain points for awards.
> But FISTS is more than just for award chasing, it's for the promotion of
> CW
> and camaraderie among Hams.
>
> If you answer that call, more often than not you should be greeted by a
> friendly op who will most likely try to recruit you once he/she finds out
> you'r not a FISTS member. You might also get the pure "number chaser" who
> will thank you and move on. Very rarely you might get that old curmudgeon
> who will totally blow you off, but thank goodness that is a very rare
> occurrence.
>
> So I say life is short, answer the call and enjoy the QS0. :-)
>
> 72, oo
> Dan, N8IE
> FISTS #4985
>
> ----- Original Message -----
> From: "CHARLES CURREY" <charlescurrey1@imcingular.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, January 13, 2004 4:49 PM
> Subject: FISTS
>
>
>> I have a slightly off topic question for the group on operating. When I
> hear a US station calling CQ DX I have allways thought that the op
> wanted to
> contact a foreign country and I did not answer. If I was correct about
> that,
> then is it also correct not to answer an op calling CQ FISTS, because he
> or
> she is only calling other FISTS members and I am not one? What do the
> rest
> of you non-FISTS folks do? Thanks in advance for the info.
>>
>> Chuck Currey, kg4qqh
>>
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.560 / Virus Database: 352 - Release Date: 1/8/2004
>
>

>

--

73 de KJ7UN, Laura

Date: Wed, 14 Jan 2004 02:51:00 -0000
From: "Juan Ferrari" <puntrad@usa.net>
To: <rc7039-hr@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [165267] Re: Need Emtech NW-20 Trouble Shooting Info
Message-ID: <009301c3da49\$3fb1f1c0\$8f4d4b43@puntana.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Rod,
Just for fun I measured my NW20 with the method of a 1N34 in series and a
.001 in paralel and got:
TP3 16.2VDC and TP4 1.72 VDC

72

Juan - KG4FSN

----- Original Message -----

From: Rod N0RC <rc7039-hr@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 13, 2004 9:57 PM
Subject: Need Emtech NW-20 Trouble Shooting Info

> Folks,

>

> I'm working on a rig with no/low power output. The Emtech manual does
> not give RF voltage levels for the TX strip.

>

> Can somebody provide RF voltages at TP-3 and TP-4? RMS or P-P, what ever
> you can provide will be helpful.

>

> TIA for your help.

> 73, Rod N0RC

>

>

>

Date: Wed, 14 Jan 2004 02:12:33 -0600
From: Dan Harriman <kc5gxl@sbcglobal.net>
To: qrp-1@lehigh.edu
Subject: [165268] Re: FISTS
Message-ID: <6.0.1.1.1.20040114012556.03738020@pop.sbcglobal.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Wow,

Sorry Chuck. I really stepped on it when I replied to your question about FISTS. I didn't mean to sound like you should never answer a call for CQ FISTS if you are not a member of FISTS. I guess that I didn't do a very good job of it.

I had almost included a statement to the effect that once the CQ had not been answered, then it would probably be alright to give the guy a call. I now wish that I had included that statement. What I was trying to emphasize was that if the person was calling CQ FISTS, or whatever, give the caller a chance to be answered by who he/she was calling. Then if there is no answer, go ahead and give him a shout.

Like Dan N8IE said, most FISTS members who call CQ FISTS are looking for a number or state, etc from a FISTS member. But that isn't all that FISTS is about. It's the camaraderie and furtherment of CW that is foremost.

Please accept my humble attempt at an apology.

72,

Dan Harriman
Orange, Texas

At 22:55 01/13/2004, I wrote:

>Hello Chuck et al;
>
>I think that if someone is calling a certain factor and you are not one,
>then just as you said about someone calling CQ DX, it wouldn't be
>proper to answer them. If someone is calling CQ Rhode Island and
>you live in California, you wouldn't answer them, so why would calling
>CQ FISTS, CQ 1010, CQ QRP be any different?
>
>This is my opinion, and only my opinion. As usual, your mileage
>may vary. { ; ^)
>

>73,
>
>Dan Harriman
>Orange, Texas

Dan said.....

>Most FISTS members who call CQ FISTS are looking for other FISTS members to
>gain points for awards.
>But FISTS is more than just for award chasing, it's for the promotion of CW
>and camaraderie among Hams.
>
>If you answer that call, more often than not you should be greeted by a
>friendly op who will most likely try to recruit you once he/she finds out
>you'r not a FISTS member. You might also get the pure "number chaser" who
>will thank you and move on. Very rarely you might get that old curmudgeon
>who will totally blow you off, but thank goodness that is a very rare
>occurrence.

=====
Proud member of QRP-ARCI # 9126; QRP-L # 431; ARS # 25; FISTS # 1572;
QRPP-1 # 702; 1010 Int.; FP # 555; SOC # 569; NETXQRP # 45; ARRL; ARRL-VE;
AMQRP; RU-QRP # 43; MQFD # 5; grid EM30cc

-
If at first you don't succeed, maybe you shouldn't try
sky-diving! dit dit

=====

Date: Tue, 13 Jan 2004 20:24:17 -0700
From: "James R. Duffey" <JamesDuffey@comcast.net>
To: <Farnes_Quinn@allergan.com>
Cc: QRP-L <qrp-l@lehigh.edu>
Subject: [165269] Re: Antenna Dilemma
Message-ID: <BC2A0471.1108F%JamesDuffey@comcast.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Farnes - There are several ways to deal with this situation.

Despite what you frequently hear, feeding a center fed dipole on all bands with coax is not entirely hopeless. The reason that balanced line is touted as having has lower losses than coax is that it is higher impedance, not because of its balanced construction. The loss of a transmission line goes

inversely as its impedance. The higher the impedance of the transmission line, the lower the loss. So one answer is to get low loss coax. New, large diameter 50 Ohm coax is expensive. However, one can often obtain odd lengths of 75 Ohm coaxial cable from local cable companies for little or nothing. It, and other large diameter coax (also known as hardline) also appears fairly frequently at hamfests. This cable has losses as nearly as low as balanced line when clean and dry, and much better than the balanced feeder when wet and/or dirty.

Consider 100 ft of cable :

Cable	Matched loss at 10 MHz	loss with 20:1SWR
7/8in OD 75 Ohm Coax	0.1 dB	app 1.3 dB
450 Ohm Window Line	0.08 dB	app 1.2 dB

The matched losses come from Table 1, Chapter 24 ARRL Antenna Book, 20th Edition. The losses with 20:1 SWR are from Figure 14 in Chapter 24 of the same book. The figure does not have entries for matched line loss less than 0.2 dB, so I calculated the loss with 300 ft of line and then used the slope of the line to calculate the loss for 100 feet. This is an approximation, but will not significantly impact the difference in losses. Even with very high SWR, the losses in the large diameter coax will not be significantly larger than in the balanced line. You will need a tuner with the large coax as well as the balanced line. Tuner losses cannot be ignored and may be excessive at very low antenna impedances such as an 80 M antenna used on 160 M. As an aside these losses at low impedances are exacerbated by the use of a 4:1 balun in these cases as it makes the impedance one is trying to match even lower.

For half inch 50 Ohm coax such as foam dielectric RG-8;

Cable	Matched loss at 10 MHz	loss with 20:1SWR
Foam RG-8	0.4 dB	2.5 dB

Which is starting to get excessive. The losses are worse for all three lines at 10 M and for smaller diameter coax such as RG-58.

Cable	Matched loss at 10 MHz	loss with 20:1SWR
foam RG-58	1.1 dB	4.5 dB

which is certainly excessive.

You can also mix and match lines in the same run as long as you are using a tuner. Use ladder line to the ground, then transition to coax, then back to

coax. A good choke or current type 1:1 balun at the transitions should be used and have reasonably low loss. You will get a reflection at each transition, leading to a large SWR, but you will have a pretty high SWR anyway, and it will be dealt with by the tuner.

A remote tuner would help. If mounted at ground level it can be easily serviced. Run balanced line from the antenna to the tuner, then coax to the transmitter.

Paralleled coax used as a balanced transmission line will have the same loss as a single coax line, so there is nothing to be gained there except the omission of one balun in the system. The current flowing in each cable will be halved, but the resistance will be the same in each cable, so the current in each line, which is half of the current in a single line will be multiplied by the same resistance resulting in the same loss. No free lunch and all that.

Traps are useful, but introduce their own loss. A trap has minimum loss away from its resonance frequency, so you may wish to look at the multiple band single trap dipoles that W8NX has designed and published in the Handbook, Antenna Book and Antenna Compendium. The traps are made with coax and are easily tuned if built according to instructions.

Parallel dipoles are useful, but are really only effective at even harmonics. At other frequencies, current flows in both dipoles and the radiation patterns can become grotesque.

We hams tend to want everything in a single entity, be it rig or antenna. Often much better performance can often be had with separate antennas for each band operated or a few multiband antennas. If one spends most of his time on one or two bands, it is effective to put one's effort into effective low loss separate antennas for these bands and to use a compromise antenna for the other bands. With band information available at the output of most modern rigs, antenna switching when switching bands can be largely transparent, particularly with an automatic antenna tuner.

I hope that this is useful. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
Cedar Crest NM 87008 DM65

Date: Tue, 13 Jan 2004 19:39:54 -0800 (PST)
From: Garie Halstead K8KFJ <khyberpass65@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: Bob Schreibmaier <k3ph@ptd.net>

Subject: [165270] Re: How 'Bout Them Foxii?
Message-ID: <20040114033954.22440.qmail@web60307.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Bob Schreibmaier <k3ph@ptd.net> wrote:

> Both Foxii sound good into Eastern Pennsylvania tonight.
> Hope they sound good into YOUR QTH! Go get 'em!

Oh yeah, much different propagation than we've been experiencing as of late. Finally!!!! Worked Tom at 0234z and snagged Craig at 0248. I garbled by callsign when I first called Craig but he got my correction. Nice to hear Right Coast calls getting in the logs as it's been quite a dry spell for some of us.

72, Gary -K8KFJ-
West Virginia

Do you Yahoo!?
Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

Date: Tue, 13 Jan 2004 22:41:06 -0500
From: "Fred \((VE3FAL\)\" <flesnick@tbaytel.net>
To: <k3ph@ptd.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [165271] RE: How 'Bout Them Foxii?
Message-ID: <019001c3da50\$3e82bc60\$1139d3d8@flesnick>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Not a peep heard in Northern Ontario...
Fred
VE3FAL

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
Of Bob Schreibmaier
Sent: January 13, 2004 9:20 PM

To: Low Power Amateur Radio Discussion
Subject: How 'Bout Them Foxii?

Both Foxii sound good into Eastern Pennsylvania tonight.
Hope they sound good into YOUR QTH! Go get 'em!

72/73,

```
+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net |
| Kresgeville, PA 18333 | http://www.dxis.org  |
+-----+
```

Date: Tue, 13 Jan 2004 22:45:56 -0500
From: Michael Neverdosky <mikenever@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [165272] Re: Elmer 160: Lesson 6
Message-ID: <4004BB74.2F1B7182@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check for your includes and also check that you are set for the right processor.

michael N6CHV

John Bohnert wrote:

```
>  
> I am a little behind in my study. I have not seen any posts related to  
> lesson 6. So my problem may well be my problem alone. My questions are in  
> reference to material presented on pages 8 -11.  
>  
> I read the text found on pages 8-11 of Lesson 6. I studied the underlying  
> logic in the design of a program for multiple transmissions of the word  
> TEST. I believe I follow the logic as presented on these pages.  
>
```

> I downloaded the <asm> programming files for lesson 6 from the AmQRP web
> site. However, when I wish to build the files for use in the simulator I
> receive the error message <Executable code and data must be defined in an
> appropriate section> multiple times.
>
> I checked the downloaded program against the text in lesson 6 and found one
> discrepancy...the <label DitTime> does not include a <call DitTime> in
> either the text version of the program or the downloaded program. However,
> in the text material associated with explaining the program, there is
> reference to a <call DitTime> followed by <nop> and <return>. So I added a
> <call DitTime> to the program, but I still receive the same error messages
> when I build the program.
>
> I need some help. I do hope that I can 'figure' my way through this
> situation, but....my head is sore from bumping into this wall.
>
> Thanks.
>
> 72
> N9KW
> John

Date: Tue, 13 Jan 2004 23:03:22 -0500
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [165273] Re: How 'Bout Them Foxii?
Message-ID: <005401c3da53\$5ac0a060\$23d84b0c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For W2LJ it was a one'er again tonight. Worked Tom at 0306 UTC or thereabouts. Listened for Craig and every once and awhile he'd come up out of the mud strong enough to make it to ESP level; but that's about all she wrote. I heard him call CQ several times; but never the complete CQ. I think I actually heard his callsign once or maybe twice. Lots of static crashes tonight - seemed like more than usual for me.

73 de Larry W2LJ - Vivat Morse!

W2LJ@arrl.net
<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612 QRPp-I #759

ARS #1528 --- K1 #1647 --- AmQRP, CQC #746

----- Original Message -----

From: "Fred (VE3FAL)" <flesnick@tbaytel.net>
To: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Sent: Tuesday, January 13, 2004 10:41 PM
Subject: RE: How 'Bout Them Foxii?

```
> Not a peep heard in Northern Ontario...
```

> Fred

> VE3FAL

>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf

```
> Of Bob Schreibmaier
```

> Sent: January 13, 2004 9:20 PM

> To: Low Power Amateur Radio Discussion

> Subject: How 'Bout Them Foxii?

>

```
> Both Foxii sound good into Eastern Pennsylvania tonight.
```

> Hope they sound good into YOUR QTH! Go get 'em!

 $\succ$

> 72/73,

>

$$> \quad / \quad)$$

> /____/ ____ /____ (____ ____ /____ /____

$$> \quad / \quad) \quad / \quad) \quad / \quad) \quad) \quad / \quad / \quad) \quad /$$
$$> \text{ /_ _ _ _ / } \text{ /_ _ _ _ / } \text{ /_ _ _ _ / } \text{ _ _ _ _ / } (\text{ _ _ _ _ / } \text{ / } \text{ / } \text{ / } \text{ . . . }$$

>

> +-----+

> | Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net |

```
> | Kresgeville, PA 18333 | http://www.dxis.org |
```

> +-----+

 $\succ$ γ $\succ$ $\succ$ γ

Date: Tue, 13 Jan 2004 23:09:09 -0500

From: "Charles W3KC" <w3kc@starpower.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [165274] BPL in the news
Message-ID: <002801c3da54\$66e81660\$54022c42@w3kc>

Sadly, Tonight's 10 o'clock news (Channel 5 in Washington DC) had a glowing report on the Manassas, VA BPL rollout.

72 de Chas W3KC

Date: Tue, 13 Jan 2004 22:13:14 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "Bob Schreibmaier" <k3ph@ptd.net>,
"qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [165275] RE: How 'Bout Them Foxii?
Message-ID: <412004131441314911@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Bob :

Well kudos to you on bagging both FOXes tonite. For a change I worked Craig but never heard a peep outta Thomas. Usually Thomas has a big signal here, so I guess the band was quite long tonite. And I had even put up another horizontal antenna just for tonite. Hmmm. Oh well, maybe next week. Again, congrats.

73,
--Doc/K0EVZ

```
> [Original Message]
> From: Bob Schreibmaier <k3ph@ptd.net>
> To: Low Power Amateur Radio Discussion <grp-l@Lehigh.EDU>
> Date: 1/13/2004 8:19:44 PM
> Subject: How 'Bout Them Foxii?
```

> Both Foxii sound good into Eastern Pennsylvania tonight.
> Hope they sound good into YOUR QTH! Go get 'em!

> 72/73,

[illegible]

> +-----+
> | Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net |
> | Kresgeville, PA 18333 | http://www.dxis.org |
> +-----+
>

Date: Tue, 13 Jan 2004 22:21:16 -0600
From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [165276] Tenna Dipper Kits
Message-ID: <000701c3da55\$db0ea030\$c8e6bdd0@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow! Only 30 kits left. I will confirm your email order. Just about to
shut down for the night. Thanks to all who have order.

72

Gene N0MQ

Date: Tue, 13 Jan 2004 20:24:37 -0800 (PST)
From: Bob KB2FEL <kb2fel@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165277] Re: FISTS calling CQ
Message-ID: <20040114042437.17041.qmail@web60508.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Nick Yokanovich <k3ny@cablespeed.com> wrote:

>

>

> (CHARLES CURREY) wrote:

>

> > I have a slightly off topic question for the

> group on operating. When I hear a US station calling
> CQ DX I have allways thought that the op wanted to
> contact a foreign country and I did not answer. If I
> was correct about that, then is it also correct not
> to answer an op calling CQ FISTS, because he or she
> is only calling other FISTS members and I am not
> one?
> What do the rest of you non-FISTS folks do?
> >
>
> Chuck, It isn't the same situation. Someone calling
> CQ FISTS is mainly
> telling you he is a FISTS member. A FISTS member
> will be happy to QSO
> with anyone. Go ahead and answer!
>
> Nick K3NY FISTS Nr 3549
>

If Calling CQ DX.. you want DX
If Calling CQ QRP... you want QRP
If Calling CQ NY.. you want NY

If you are a fists member, as I am, and many on the
list are, would it not be better or more to calling
procedure to put the Fists after the DE..? I think it
would be the same as putting /QRP or /portable after
our call.

IE:
CQ CQ CQ DE Fists KB2FEL
or
CQ CQ CQ De KB2FEL KB2FEL KB2FEL/Fists AR K

If the fists is place before the DE you are actually
calling only Fists members

72
Bob
KB2FEL/8

Do you Yahoo!?
Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

Date: Tue, 13 Jan 2004 22:34:00 -0600
From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,
<dock0evz@earthlink.net>
Subject: [165278] Re: How 'Bout Them Foxii?
Message-ID: <025e01c3da57\$a6f48b00\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

HI, Doc

I can't believe that I never heard you tonight! Got my pelts fairly early and was surprised at how long Craig remained around S5 here. Tom went west more ways than one then came back up to S8 about 30 minutes before it ended!

So another lucky night and I believe the Tornados did pretty good as well!
<:}

Be looking for you next week!

73, George W5YR
w5yr@att.net

----- Original Message -----

From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, January 13, 2004 10:13 PM
Subject: RE: How 'Bout Them Foxii?

> Bob:

>

> Well kudos to you on bagging both FOXes tonite. For a change I worked
> Craig but never heard a peep outta Thomas. Usually Thomas has a big
signal
> here, so I guess the band was quite long tonite. And I had even put up
> another horizontal antenna just for tonite. Hmmm. Oh well, maybe next
> week. Again, congrats.
>
> 73,
> --Doc/K0EVZ

Date: Tue, 13 Jan 2004 22:47:01 -0600
From: "Burl A. Keeton" <n5duq@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [165279] RE: Index Lab plus plus
Message-ID: <20040113.224703.-660817.2.n5duq@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greeting gang,

A good friend of mine is interested in an Index ++. He has some QRP rig to do some swapping or out right purchasing but would rather do some trading.

If you have one and would like to try something else, contact me off list and I will supply you with all the details so you can get in touch with him or he with you.

Thanks for the space.

Burl Keeton N5DUQ Oklahoma City,OK

n5duq@juno.com

Date: Tue, 13 Jan 2004 22:47:54 -0600
From: "Dale Botkin" <dale@botkin.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [165280] RE: FISTS calling CQ
Message-ID: <NCBBLAPDJKCAD00EBAHNCEGHFIAA.dale@botkin.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> Bob KB2FEL

>

> If you are a fists member, as I am, and many on the
> list are, would it not be better or more to calling
> procedure to put the Fists after the DE..? I think it
> would be the same as putting /QRP or /portable after
> our call.

>

> IE:
> CQ CQ CQ DE Fists KB2FEL
> or
> CQ CQ CQ De KB2FEL KB2FEL KB2FEL/Fists AR K
>
> If the fists is place before the DE you are actually
> calling only Fists members

That's always the way I feel about it. I get all pumped up when I hear someone calling CQ... only to hear CQ FISTS. I don't answer US stations calling CQ DX, I don't answer CQ FP and I don't answer CQ FISTS -- all for the same reason. I figure if the guy is calling a specific group, and I'm not in in that group, it would be discourteous to call.

On the other hand, if I hear CQ CQ CQ DE KB2FEL FISTS, it's fair game.

72,
Dale - n0xas

Date: Wed, 14 Jan 2004 00:17:29 -0500
From: "Ron McConnell" <rcmcc@earthlink.net>
To: <qrp-1@lehigh.edu>
Cc: <adverseyaw@twmi.rr.com>, "W2IOL" <w2iol@arrl.net>, <k4ybb@earthlink.net>
Subject: [165281] RE: slide rules (was computers...)
Message-ID: <009201c3da5d\$b5758f20\$1b542941@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

>Kevin M., W8VOS" <adverseyaw@twmi.rr.com>:
>... ebay, which one should I get?
>Is there a popular model that all the rocket scientists
>at NASA used during the Apollo program? =20
>Something that I can use in the shack?

I imagine that NASA engineers and scientists used nearly every engineering type slide rule available. The model taken by the Apollo astronauts was a 6" Pickett N600-ES. I believe their version had a magnifier lens cursor and those are rare and expensive. I bought the last one I know of for sale. ("Why?" he asks.) The regular N600-ES ("eye saver" yellow) and N600-T

("traditional" white) models are very common on ebay and go used for \$20 to \$30. "New-in-box" are usually less than \$40. I carry a N-600-T,=20 and had 12" & 6" K&Es in school.

Rod Lovett has a slide rule web site

<http://www.sliderules.lovett.com>

where he keeps track of slide rule ebay prices=20 by brand, model and month.

<http://sliderules.lovett.com/srsearch.html>

For instance, James Kelley <k4ybb@earthlink.net> asks, "...Dietzgen #1734 Decimal Trig. Microglide slide rule.=20 Anyone have an idea what it is worth...?"

In January 2001 one sold for \$45=20 and in April 2003 one sold for \$31.

The Sun Hemmi 266 Electronics slide rule with scales for inductance, capacitance and frequency goes for \$150 to \$200.

Cheers, 73,

Ron McConnell

w2iol@arrl.net

N 40=BA 46' 57.9" W 74=BA 41' 21.9"
FN20ps77GU46 [FN20ps77GV75]

<http://home.earthlink.net/~rcmcc>

Date: Wed, 14 Jan 2004 00:52:23 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [165282] FS OR TRADE TT Century 22
Message-ID: <001501c3da62\$94b8e020\$7401a8c0@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello !!!

TT Century 22 in excellent condx .. runs great and looks great !!! .. a 9.5 out of 10

with calibrator (which I cant seem to get to work)

sell or trade for a TT Argo 509 in mint condx
if sell asking \$275 and I ship

Reason for selling I miss doing voice contesting !!!

any questions you have feel free to E-mail !!!!

73s

George Osier , N2JNZ

Date: Tue, 13 Jan 2004 22:36:16 -0800
From: "Rich Johnson" <rjohnson390@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [165283] Front end filters
Message-ID: <000501c3da68\$b6264080\$7b48e40c@END0EB86CD98A1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am wondering how narrow a bandwidth is necessary for the front end of a homebrew receiver. For example on 20 meter with a 150kHz CW band is a 400kHz 3dB bandwidth ok.

What is helpful and what is just not necessary.

cheers,
rich

Date: Wed, 14 Jan 2004 01:10:14 -0600
From: "George, W5YR" <w5yr@att.net>
To: <rjohnson390@comcast.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [165284] Re: Front end filters

Message-ID: <042d01c3da6d\$75ca0490\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is usually a tradeoff between insertion loss vs. bandwidth and thus the effect on noise figure. The narrower the filter, the more the insertion loss and the higher the noise figure and the more gain is required elsewhere to make up for the insertion loss.

Other considerations when choosing a front-end filter are passband ripple, ultimate attenuation in the stop band and shape factor. Thus, the design basis for the filter - Butterworth, for example. - plays an important role in addition to just the bandwidth.

Either of W7ZOI Wes Hayward's books discusses this topic in considerable detail.

73, George W5YR
w5yr@att.net

----- Original Message -----

From: "Rich Johnson" <rjohnson390@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 14, 2004 12:36 AM
Subject: Front end filters

> I am wondering how narrow a bandwidth is necessary for the front end of a
> homebrew receiver. For example on 20 meter with a 150kHz CW band is a
> 400kHz 3dB bandwidth ok.
>
> What is helpful and what is just not necessary.
>
> cheers,
> rich
>
>

Date: Tue, 13 Jan 2004 23:15:10 -0800
From: "Trevor Jacobs" <kg6cyn@softhome.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [165285] Re: How 'Bout Them Foxii?
Message-ID: <008801c3da6e\$25d61270\$38fea8c0@TREVORMAINPC>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well For us Left Coasties,

Tom was Pounding in and I got him on the 3rd call and I found Craig and got him on my fifth call. Craig was not real strong here, but running 529 to 549. Still a real improvement over the last couple of weeks. Hope the rest of you had similar experiences...was more like last year ;-)

Thanks to both FOXII for a very fun evening!

73's Trev - KG6CYN

<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: "Garie Halstead K8KFJ" <khyberpass65@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, January 13, 2004 7:39 PM

Subject: Re: How 'Bout Them Foxii?

> Bob Schreibmaier <k3ph@ptd.net> wrote:

>

> > Both Foxii sound good into Eastern Pennsylvania tonight.

> > Hope they sound good into YOUR QTH! Go get 'em!

>

> Oh yeah, much different propagation than we've been experiencing as of

> late. Finally!!!! Worked Tom at 0234z and snagged Craig at 0248. I

> garbled by callsign when I first called Craig but he got my correction.

> Nice to hear Right Coast calls getting in the logs as it's been quite

> a dry spell for some of us.

>

> 72, Gary -K8KFJ-

> West Virginia

>

>

>

>

>

> -----

> Do you Yahoo!?

> Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes

> <http://hotjobs.sweepstakes.yahoo.com/signingbonus>

>

Date: Wed, 14 Jan 2004 20:35:47 +0900
From: Cosy MUTO <jh5esm@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [165286] Re: Front end filters
Message-ID: <0EbYvU357A140000.jh5esm@hotmail.com>
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Rich,

> I am wondering how narrow a bandwidth is necessary for the front end of a
> homebrew receiver. For example on 20 meter with a 150kHz CW band is a
> 400kHz 3dB bandwidth ok.
>
> What is helpful and what is just not necessary.

That is a trade-off problem which strongly depends on front end device
(RF or top mixer) as well as receiver configuration and unwanted signal
situation.

For example, a direct conversion receiver on 40m using single-end output
Gilbert mixer, narrow band filter is necessary to avoid demodulation
of strong AM broadcasting station due to 2nd order characteristics of mixer
itself.

However, a superhet receiver using same device, AM demodulation is not a
problem.

Similar considerations should be made for intermodulation and cross-modulation
case to determine the bandwidth of the top BPF.

In Japan, we are planning a 40m CW QRP TRX kit using SA612 as superhet mixer.
In this case, we discuss top BPF with some tens kHz bandwidth to avoid those
performance deteriorations.

Cosy MUTO, JH5ESM

Date: Wed, 14 Jan 2004 06:58:00 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>
Subject: [165287] GibsonTech website-kits
Message-ID: <6.0.0.22.2.20040114065507.01f68608@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

The GibsonTech website has a number of kits and other interesting things for sale at: <<http://www.gibsontech.net/main.html>>... see the "Ham Radio K4WRM" page <<http://www.gibsontech.net/hamcarter.html>> for lots of QRP stuff.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Wed, 14 Jan 2004 06:04:48 -0000
From: "Doc - W5TB" <w5tb@arrl.net>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [165288] Re: How 'Bout Them Foxii?
Message-ID: <010401c3da64\$868bce00\$0400a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> HI, Doc
>
> I can't believe that I never heard you tonight!

Doc although George didn't hear you it was probably because he was
distracted by computer problems and helping as always as our team coach.

I heard you working the Truffle -- and you were an honest 20 db over S9!
Don't know what kind of antlers you are growing in that high NM air, but
they were certainly working last night!

72, 73, oo T.E. 'Doc' Drake, W5TB
Arlington, Texas
FISTS # 5365 QRP/ARCI # 3532 ARRL Life Member K1 #181 K2#1617
<http://www.qsl.net/w5tb>

Date: Wed, 14 Jan 2004 07:07:40 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w3kc@starpower.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [165289] Re: BPL in the news
Message-ID: <007d01c3da97\$1344d1e0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So get references to bad BPL press and forward it to the station and the
reporter...

Sometimes a 'turnaround' can be news, and they may jump on it. They
may not even be aware that BPL was just recently shut down in Austria
for interference reasons.

> Sadly, Tonight's 10 o'clock news (Channel 5 in Washington DC) had a
glowing
> report on the Manassas, VA BPL rollout.
> 72 de Chas W3KC

Date: Wed, 14 Jan 2004 06:48:01 -0600
From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [165290] Tenna Dipper Update
Message-ID: <037f01c3da9c\$a5e7a180\$43c03fd8@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As of this morning there are 22 kits left. I will confirm orders later today. Thanks.

72

Gene N0MQ

Date: Wed, 14 Jan 2004 08:13:41 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165291] You must be an ARRL member if....
Message-ID: <40054085.67E89B62@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

>From an antenna modeling software tutorial:

<quote>

To show none-metric unit usage we consider ourselves for a moment as an ARRL member using Inch and Feet as the basic length unit....

</quote>

: -D

73,
--Alex KR1ST (metric)
<http://www.kr1st.com>

Date: Wed, 14 Jan 2004 08:25:55 -0500
From: "AI2Q" <ai2q@adelphia.net>
To: <w3kc@starpower.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>

Subject: [165292] RE: BPL in the news
Message-ID: <001801c3daa1\$f1185780\$6401a8c0@agstme.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chas, journalists will jump on any news release and news story with glitz. They will also jump on a story with controversy. As such, why not contact the news source and tell the other side of the BPL story? They may very well listen---and run a follow-up story.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Charles W3KC
Sent: Tuesday, January 13, 2004 11:09 PM
To: Low Power Amateur Radio Discussion
Subject: BPL in the news

Sadly, Tonight's 10 o'clock news (Channel 5 in Washington DC) had a glowing report on the Manassas, VA BPL rollout.
72 de Chas W3KC

Date: Wed, 14 Jan 2004 08:29:50 -0500
From: Kenneth Cooperstein <cprstn54@att.net>
To: unlisted-recipients;; (no To-header on input)
Cc: qrp-l@Lehigh.EDU
Subject: [165293] Wiring protocols
Message-ID: <4005444E.8030604@att.net>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1; format=flowed
Content-transfer-encoding: 7BIT

As part of my migration to PowerPoles, I am trying to rationalize all my QRP equipment leads.

I see that some equipment -- like radios -- generally have no external leads and exclusively employ jacks.

Amplifiers seem to have external power leads and jacks for everything else.

Speakers come all different ways. For example, the SGC ADSP2 speaker has a power lead and an audio lead. The Yaesu speaker in my shack has only jacks.

Is there any rhyme and reason these design decisions? Does it have to do with mobile/non-mobile?

Ken KC2JDY

Date: Wed, 14 Jan 2004 08:33:41 -0500
From: "Ken Alexander" <kpathai@hotmail.com>
To: w2bvh@comcast.net, qrp-1@Lehigh.EDU
Subject: [165294] RE: Binocular ferrite cores
Message-ID: <Sea2-F36slEHoWMNFWc00014b0d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I've ordered Amidon ferrites online from Bytemark's website and have been happy with their service.

<http://www.bytemark.com/products/multcor.htm>

73,

Ken - VE3HLS
Sharon, ON
KX1 #112, FPqrp #716

>From: w2bvh <w2bvh@comcast.net>
>Reply-To: w2bvh@comcast.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Binocular ferrite cores
>Date: Tue, 13 Jan 2004 10:57:12 -0500
>
>Anyone know of a ham-friendly source for BN-61-xxxx type binocular ferrite
>cores ?
>

>73,
>Lenny W2BVH
>

Help STOP SPAM with the new MSN 8 and get 2 months FREE*
<http://join.msn.com/?page=dept/bcomm&pgmarket=en-ca&RU=http%3a%2f%2fjoin.msn.com%2f%3fpage%3dmisc%2fspecialoffers%26pgmarket%3den-ca>

Date: Wed, 14 Jan 2004 08:34:28 -0500
From: "Bob Schreibmaier" <k3ph@ptd.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [165295] RE: How 'Bout Them Foxii?
Message-ID: <000301c3daa3\$22379be0\$6400a8c0@k3ph>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

>Bob:
>
>Well kudos to you on bagging both FOXes tonite. For a change I worked
>Craig but never heard a peep outta Thomas. Usually Thomas has a big signal
>here, so I guess the band was quite long tonite. And I had even put up
>another horizontal antenna just for tonite. Hmmm. Oh well, maybe next
>week. Again, congrats.
>
>73,
>---Doc/K0EVZ

Thanks, Doc! I guess I've been spoiled by conditions during the last couple of Fox Hunt seasons. Conditions certainly have been strange this season. Several times, I thought it would be an easy twofer, only to find no signals on paths that used to be a chip shot. 40 has been very long most of the time. And, it's been a very strange kind of long, too. For example, having a Texas Fox moving the Icom S-meter to S9 and not being able to hear a peep from Minnesota, which is almost as long a path. And so it goes.

But, I guess that's what makes the hunt!

See you in the pileups next week! 8^)

$$\begin{array}{ccccccc} \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} \\ \diagdown & \text{---} & \diagdown & \text{---} & \diagdown & \text{---} & \diagdown & \text{---} \\ \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} \\ \diagdown & \text{---} & \diagdown & \text{---} & \diagdown & \text{---} & \diagdown & \text{---} \\ \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} & \diagup & \text{---} \\ \diagdown & \text{---} & \diagdown & \text{---} & \diagdown & \text{---} & \diagdown & \text{---} \end{array} \quad \cdot \cdot \cdot$$

```
+-----+
| Bob Schreibmaier K3PH | E-mail: k3ph@ptd.net |
| Kresgeville, PA 18333 | http://www.dxis.org  |
+-----+
```

On Tue, 13 Jan 2004, Doc K0EVZ wrote:

Hi Doc, seems Tuesday is when the band gets long. This Wednesday morning the 80 meter band is so long to reach your city we had to relay through Dallas! But Craig was there and we worked well.

```
>  
> 73,  
> --Doc/K0EVZ  
>  
>  
> > [Original Message]  
> > From: Bob Schreibmaier <k3ph@ptd.net>  
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> > Date: 1/13/2004 8:19:44 PM
```

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Thanks to all who participated in last night's FOX hunt. Wow, what lively conditions for a change.

It will likely be tomorrow night before I am able to post the preliminary results. Tonight, I start a ballroom dancing class with my wife that runs for 3 hours. Please understand that when it comes to my amateur radio involvement I have an extremely supportive wife. This is much over due pay back.

I have enough trouble with my paddle; so, I can't imagine how I am going to control my two left feet!

Regards, Thomas AC7A (Tucson)

Date: Wed, 14 Jan 2004 09:32:08 -0500
From: "Thomas Lewis" <thomas_h_lewis@msn.com>
To: qrp-1@Lehigh.EDU
Subject: [165298] SW+20 FS agn pse
Message-ID: <BAY5-F23W2f9bDg0HWG00073db8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I lost the post for the built SW+20 w/freqmite. Would you repost pse?

Tom
K4THL

Find out everything you need to know about Las Vegas here for that getaway.
<http://special.msn.com/msnbc/vivalasvegas.armx>

Date: Wed, 14 Jan 2004 09:43:30 -0500
From: "Sergio T. Ruiz" <sergio@philway.com>
To: "qrp-1-Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [165299] gel cell question..
Message-ID: <5.1.0.14.0.20040114091420.00b359a0@mail.neobright.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

i have been running my k1 on battery power for the past few days for a few reasons..

1. to take all the junk that was plugged into the wall out of the loop.. i was having a grounding issue somewhere..

2. see how everything works on battery power to get ready for camping trips in the summer..

the batteries i have been using are surplus from uninterruptable power supplies..

they have been sitting around here (at my day job) for some time.. more than six or eight months, i would guess..

i have been charging them with a 12 volt battery charger, and they seem to be working pretty well..

my question though is: is there any way to test the battery's charge and behavior under load?

i have heard that if they are not cared for, they die...

i am wondering if this might be the cause of my drifting problem.. during transmission, my freq starts to drift..

anyone have any idea?

thanks!

Sergio T. Ruiz
technology and MIS
Philway Products, Inc.
(419) 281-7777 x232

Date: Wed, 14 Jan 2004 09:45:32 -0500
From: "Sergio T. Ruiz" <sergio@philway.com>
To: "qrp-1-Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [165300] hw-8 power connector..
Message-ID: <5.1.0.14.0.20040114094331.00bb6008@mail.neobright.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

does anyone know if this is a "standard" connector that i can order?

the one i have is connected to the original heathkit power supply... and i really don't want to hack into it...

i would like to make a simple battery connector for the hw-8..

if i could just order a new part for this, all would be right with the world..

thanks!

Sergio T. Ruiz
technology and MIS
Philway Products, Inc.
(419) 281-7777 x232

Date: Wed, 14 Jan 2004 14:43:36 GMT
From: lfcpa@juno.com
To: qrp-1@Lehigh.EDU
Subject: [165301] re: For Sale, kits and radio - all are sold
Message-ID: <20040114.064400.477.204981@webmail17.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

All of the kits and the radio have been sold.
Thanks,
Leland KD5JAM

The best thing to hit the internet in years - Juno SpeedBand!
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Date: Wed, 14 Jan 2004 09:44:58 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: rjohnson390@comcast.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [165302] Re: Front end filters
Message-ID: <400555EA.5525AE0@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A front end filter I like, but have not yet used is the one shown in various handbooks and in Solid State Design for the Radio Amateur. It

is a double tuned front end designed by Doug DeMaw. The original was designed for a 160 meter receiver used as a tuneable back end. The design is easily scalable using any design software.

I have scaled the design for 40 and 20. The filter gives a very sharp peak about 2 to 3 Hz wide at the 3 dB points with very steep sides.

Because of the very narrow response the filter must be tuned. This is easily done manually if you have a small 3 section variable capacitor. I suppose three sections of varicap could be used also.

I believe success in any receiver is only in amplifying the signals you want. Therefore the emphasis on narrow response curves. At most frequencies gain is cheap and easy to come by. How much extra cost and real estate do a couple of 2N2222A's take up.

73

Date: Wed, 14 Jan 2004 07:57:56 -0700
From: "Rod N0RC" <rc7039-hr@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [165303] Re: Need Emtech NW-20 Trouble Shooting Info
Message-ID: <007b01c3daae\$d37a7b10\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks to all who responded.

Measurements offered are about what I measured, that cinched my diagnosis--bad PA. I replaced the PA transistor, BINGO full output.

73, Rod N0RC

----- Original Message -----
From: "Rod N0RC" <rc7039-hr@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 13, 2004 2:57 PM
Subject: Need Emtech NW-20 Trouble Shooting Info

> Folks,
>
> I'm working on a rig with no/low power output. The Emtech manual does

> not give RF voltage levels for the TX strip.
>
> Can somebody provide RF voltages at TP-3 and TP-4? RMS or P-P, what
ever
> you can provide will be helpful.

Date: Wed, 14 Jan 2004 09:00:10 -0600 (CST)
From: Dale Botkin <dale@botkin.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165304] Re: GibsonTech website-kits
Message-ID: <Pine.LNX.4.33.0401140859120.9284-100000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 14 Jan 2004, Ed Tanton wrote:

> The GibsonTech website has a number of kits and other interesting things
> for sale at: <<http://www.gibsontech.net/main.html>>... see the "Ham Radio
> K4WRM" page <<http://www.gibsontech.net/hamcarter.html>> for lots of QRP stuff.

Interesting. Looks like all Ramsey kits, but at substantially lower than
Ramsey prices. Didn't look for any gotchas, but there may be some.

72,
Dale - n0xas
--

It's a thankless job, but I've got a lot of Karma to burn off.
NEW PicoKeyer version with pot AND paddle control coming!
Check <http://www.hamgadgets.com> for news.

Date: Wed, 14 Jan 2004 09:02:06 -0600
From: "Michael Melland, W9WIS" <w9wis@charter.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165305] A Ham's Interesting Page...
Message-ID: <000501c3daaf\$615f66c0\$4986e98d@winad.it.uwosh.edu>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

I was looking for information on a sliderule I recently acquired (interesting

there has been so much discussion on these...) and came across this guy's web page. I spent a while looking around and it appears he's also into qrp. Check out his homemade test gear section..... cool !

<http://www.qsl.net/kd7rem/shack.html>

KD7REM if you are on this list good job !

Mike, W9WIS

Date: Wed, 14 Jan 2004 07:26:46 -0800 (PST)
From: Tom Severt <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [165306] Re: GibsonTech website-kits
Message-ID: <20040114152646.25321.qmail@web9608.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Ed Tanton <n4xy@earthlink.net> wrote:
> The GibsonTech website has a number of kits and
> other interesting things
> for sale at:
> <<http://www.gibsontech.net/main.html>>... see the
> "Ham Radio
> K4WRM" page
> <<http://www.gibsontech.net/hamcarter.html>> for
> lots of QRP stuff.

Actually those are all Ramsey kits.

<http://www.ramseyelectronics.com>

=====
Tom Severt N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?
Yahoo! Hotjobs: Enter the "Signing Bonus" Sweepstakes
<http://hotjobs.sweepstakes.yahoo.com/signingbonus>

Date: Wed, 14 Jan 2004 10:35:02 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [165307] Cabela's Gel Cell deal question
Message-ID: <11c.2a46dc87.2d36bba6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I posted a week or so ago info on the Cabela gel cell deal one of which was a charger with two 7Ah batteries and a charger (\$39). Well mine arrived with two offbrand cells from China and a wall charger (12vdc--500ma with two alligator clips) and no instructions. With this type of charger how do you know how long to charge? Do you just monitor the volatage? How do you know when it is done charging so not to overcharge?

Maybe someone can point me to a site that discusses this in some detail--I am GOOGLED out (smile)

I do know that you use about 10-25 percent of the battery rating for charging current which this is. Also know that these cheap wall units are not well regulated so I hope to replace it soon with a more sophisticated unit that can allow floar and/or trickle charge. That is the extent of my knowledge

Thanks

Alan KB7MBI

Date: Wed, 14 Jan 2004 11:05:22 -0500 (EST)
From: rich@mulveyfamily.com
To: qrp-1@lehigh.edu
Subject: [165308] Free NC-20 to a new licensee
Message-ID: <20040114160522.B197217880@mulveyfamily.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All:

In the interest of cleaning out the shack, and making some space, I'm making the following offer:

A Norcal-20 CW xvcrr, in perfect operating condition, with all of the recommended mods applied. Including documentation. The case is unpainted, but nicely

labeled.

In an effort to encourage some new QRP'rs, my offer is initially to NEWLY licensed hams who do NOT have their own rigs yet. Anyone under 18 will get preference. Basically, I'll collect names for a week, and sort them according to age. The youngest one will get the rig. Please note that this is the rig only - no key, etc. I will throw in a power cable with an Anderson connector, however.

If you know any kids who have gotten licenced, and need a rig, please let me know. Send the info with "NC-20 request" in the subject line, please, so I can filter it from the hundreds of messages I get each day.

I'll close off the requests at midnight on January 21, and publish the callsign of the recipient here, the next day.

For those who aren't familiar - the NC-20 is a 20M rig put out by Norcal a few years ago. It has an EXCELLENT receiver. Of course, being 20M, you can't transmit unless you have a General license or above, but I look at that as incentives, for Tech or Tech+s. ;-)

Now, remember, this is to go ONLY to someone who does not currently own a xcvr. Please keep this in mind.

- Rich, AA2YS

Date: Wed, 14 Jan 2004 11:32:58 -0500
From: "Sergio T. Ruiz" <sergio@philway.com>
To: "qrp-1-Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [165309] gel cell on the cheap..
Message-ID: <5.1.0.14.0.20040114112949.00bc2c60@mail.neobright.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

i took apart some of our older emergency lights here..

i have one gel cell left over.. it is smaller one..

i am not sure what the rating is..

but i would guess it's based on its size..

it measures 5 1/2" x 4 3/4" X 1 1/2"

maybe around 3ah?

anyway.. it is untested.. but i have not found a bum one yet..

first person who wants to pay shipping on it gets it..

on the house!

let me know..

Sergio T. Ruiz
technology and MIS
Philway Products, Inc.
(419) 281-7777 x232

Date: Wed, 14 Jan 2004 09:54:26 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165310] Re: Cabela's Gel Cell deal question
Message-ID: <Pine.LNX.4.44.0401140947010.5286-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 14 Jan 2004 ARDUJENSKI@aol.com wrote:

> I posted a week or so ago info on the Cabela gel cell deal one of which was a
> charger with two 7Ah batteries and a charger (\$39). Well mine arrived with
> two offbrand cells from China and a wall charger (12vdc--500ma with two alligator
> clips) and no instructions. With this type of charger how do you know how
> long to charge? Do you just monitor the volatage? How do you know when it is
done
> charging so not to overcharge?

These are lead with acid batteries and one with 6 cells will
read about 14.2 volts when fully charged and 12.0 volts when in use. If

they are really 7 AH and you want to charge it over-night and not worry about over charging, use 1/10 to 1/20 the battery rating. Now 1/10 of 7A is 0.7 amps. And 1/20 is of course 0.35 amps. So the standard .5 amp wall wort will charge these batteries over night and if you forget to turn it off for a day, it will not hurt the battery.

For experiance I have a gell cell rated at 4.5 amps and they sent me the same 0.5 amp charger. I need to be more careful.

>
> Maybe someone can point me to a site that discusses this in some detail--I am
> GOOGLED out (smile)
>
> I do know that you use about 10-25 percent of the battery rating for charging
> current which this is. Also know that these cheap wall units are not well
> regulated so I hope to replace it soon with a more sophisticated unit that can
> allow floar and/or trickle charge. That is the extent of my knowledge
>
> Thanks
>
> Alan KB7MBI
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 14 Jan 2004 10:48:19 -0600
From: John Oppenheimer <john@KN5L.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [165311] Re: gel cell question..
Message-ID: <400572D3.7090506@KN5L.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Remember that a SLA battery rating is at a 20 hour discharge rate to about 10V. I find that a good way to test a battery is to discharge it and measure time, current, and voltage.

If you look at a typical SLA discharge curve, a C/2 current will discharge to about 11V in one hour.

For example, look at a Panasonic specification at
http://www.panasonic.com/industrial/battery/oem/images/pdf/Panasonic_VRLA_LC-R123R4P.pdf

which is a 12V 3.4Ah battery. C/2 is 1.7A. Look at the "Discharge characteristics 77F" chart, note that the 1.7A curve intersects the 10.8V and one hour lines.

You can pick other current, volts and time lines as needed.

John

Date: Wed, 14 Jan 2004 10:59:55 -0600
From: "Mark Andrews \ (KE4MA\)" <KE4MA@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [165312] NJQRP PSK31 Audio Beacon
Message-ID: <013901c3dabf\$d68e3b00\$976e640a@vitalworks.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone have one of these beasts (built or unbuilt) that they would like to part with?

73,

Mark - KE4MA

"If there are two or more ways to do something,
and one of those ways can result in a catastrophe,
someone will do it." - Murphy

Date: Wed, 14 Jan 2004 09:08:34 -0800
From: "Ian Wilson" <ianmwilson@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [165313] Re: using balloons to raise antennas
Message-ID: <000801c3dac1\$0fa8f460\$1002a8c0@TrabucoIan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

We've been using Helium weather balloons for a while, mostly in the desert.

The setup has evolved from a basic configuration to the current one, which uses one or two balloons, a triangular tethering system, and a way to support a feedline at right angles to a center-fed vertical dipole. The guys are high-breaking-strain nylon cord I believe.

Would certainly suggest this only in zero to light wind conditions. Also echo others' warnings about bleeder resistor, anchoring, etc. There are no power lines in the desert to worry about :)

We are able to get an elevation of 120' or so quite easily, lifting an 88' vertical dipole with 450 ohm balanced feeder.

Sorry I don't have details on the size of the balloons, etc, I am just a happy user and humble guy-rope holder. I can get more details if anyone is interested.

72 de ian, k3imw/6

Date: Wed, 14 Jan 2004 09:35:18 -0800
From: "Farnes_Quinn" <Farnes_Quinn@allergan.com>
To: <qrp-1@lehigh.edu>
Subject: [165314] Antenna Dilemma
Message-ID: <2F16063B7DDADD4FB140CE6245BE2FDA06AEBE@irmail121.irvine.allergan.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Guys,

Thanks for all the thoughtful replies. Too numerous to thank you individually, so I'm replying here.

Re: the Maxx-comm, I think I've succeeded in steering my friend to an LDG autotuner. I told him if he bought the Maxx-comm he'd get pimples and hair would grow on the palms of his hands. That may have done it!

Thanks again,

Quinn WB6TDC

Date: Wed, 14 Jan 2004 10:40:37 -0700
From: "NORM KLIEMAN" <k9nk@msn.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [165315] For Sale- DSW-20
Message-ID: <BAY5-DAV35w4MJBXqVq0006e7ee@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FOR SALE - DSW-20 Excellent Condition with cool blue Small Wonder Labs case.

\$115 with free shipping anywhere in lower 48 states

Contact me direct at: k9nk@msn.com

Date: Wed, 14 Jan 2004 12:55:11 -0500
From: w2bvh <w2bvh@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [165316] Re: Front end filters
Message-ID: <4005827F.2030300@comcast.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

On the same subject: When there's a preamp in the design, they usually put a broad filter in front of it and a narrow filter after it. I would have thought it would be better to get rid of most of the unwanted signals before a gain stage? What am I missing?

73,
Lenny W2BVH

Rich Johnson wrote:

>I am wondering how narrow a bandwidth is necessary for the front end of a
>homebrew receiver. For example on 20 meter with a 150kHz CW band is a
>400kHz 3dB bandwidth ok.

>

>What is helpful and what is just not necessary.

>
>cheers,
>rich
>
>
>
>
>

Date: Wed, 14 Jan 2004 10:06:41 -0800
From: "Anthony Felino" <wn6q@pacinfotech.com>
To: <qrp-1@lehigh.edu>
Subject: [165317] End fed wire antennas - How to?
Message-ID: <200401141006.AA1736245436@pacinfotech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi John,

Here's the summary of my experience with end-fed wires.
This stuff was all done on 7MHz and higher bands, so keep
that in mind. Also bear in mind I consider myself no expert,
these are just my observations.

As far as length goes, there are three classes of wires:

- 1) quarter wave (and multiples)
- 2) half wave (and multiples)
- 3) anything else (random length)

These three classes have different requirements and features,
but they can all work.

A quarter wave wire is a monopole and needs another "half" (a ground plane) to "reflect" the radiating wire so that the system looks like a complete dipole antenna. This can be provided by a good earth ground at the feedpoint, or a radial system. For a quarter wave the feedpoint impedance is near 50 ohms so you generally don't need a tuner. For a year or so I used a system consisting of a set of quarter wave wires for 40, 20 and 10m. I carried a microphone stand to support one end of the wire, the other attached to a coax fitting on the roof of my old VW bus. Although no part of the wire was more than 6 feet off the ground, and the VW bus provided an imperfect ground plane, the system still worked OK for a weekly NVIS sked that I had. I made lots of other Q's with it too. The system seemed to be sensitive to what the bus was parked near and what the antenna was near, and sometimes

I just couldn't get the thing to tune without moving to another location.

A half wave wire is a complete dipole, regardless of where you feed it, so the remaining problem is the RF return for the small current you need to supply it, and the impedance matching. A half wave wire has a fairly well defined impedance of around 5000 ohms at resonance at an end. On harmonics this impedance decreases. The RF return is normally supplied by the capacitance of the rig and accessories. There is RF on the case of the rig, but this is normally a low voltage compared to the voltage on the end of the wire, which is about 250V for 5W. The easiest way to feed it is with an L network. 11uH and 44pF gets you there on 40, divide by appropriate factor for higher bands. I have been using a system for several years now that consists of a 66' wire on an old fly-fishing reel. The system performs very consistently regardless of the environment, the only trick being tuning the wire to resonance. You can tell when it's resonant because touching the rig has no affect on the SWR and the system tunes to low SWR with the usual capacitance. Close to the ground the length is usually closer to 60' than 66'. But once it's resonant, it just needs a small touch up on the matching capacitance. At 10W the RF on the rig is imperceptible. The one wire tunes fine on 40, 20, 15 and 10 and works out surprisingly well for the low height, usually 4 to 6 feet off the ground. The charming thing about this system is the consistent performance. It always works. I just whip out the antenna wire, touch up the tuning and yak away.

Some people claim you need a counterpoise with an end-fed half-wave, but I have found that to be counter-productive. You end up with a lossy random wire fed somewhere off-center. The system doesn't tune right and generally acts like:

A random wire. Here all bets are off. You will most likely need a tuner, and it has to have a wide matching range. You generally need a counterpoise or ground plane, but even then you can end up with a difficult-to-match impedance and/or RF on the rig. "Random" implies nothing is known before you set up the system. All this said, the things still work, although I have had the experience of being able to make no contacts with a random wire, changing the wire length or location, and then getting out. These systems just "feel" sorta flaky. My usual tuner for these is a modified L network as used in some of the Ten-Tec auto tuners. It's like a regular L-net except you have a small (10 - 20pF) capacitor that you can connect across the low-Z port of the network.

Here I have only related my experiences with matching and portable use, but I hope this is useful for your installation.

72.5, WN6Q

Date: Wed, 14 Jan 2004 18:05:11 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [165318] PLT banned in Austria
Message-ID: <Law15-DAV41ILwaaU2R0000c51f@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.qsl.net/rs.gb/emc/>

73, Leon

--

Leon Heller, G1HSM
Email: aqzf13@dsl.pipex.com
My low-cost Philips LPC210x ARM development system:
http://www.geocities.com/leon_heller/lpc2104.html

Date: Wed, 14 Jan 2004 13:18:56 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w2bvh@comcast.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [165319] Re: Front end filters
Message-ID: <40058810.E6387A93@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yeah, it should have read kHz. Plug the filter's values into a circuit simulator, you'll be pleasantly surprised at the response!

Bruce

>

> On the same subject: When there's a preamp in the design, they usually
> put a broad filter in front of it and a narrow filter after it. I would
> have thought it would be better to get rid of most of the unwanted
> signals before a gain stage? What am I missing?

>

> 73,

> Lenny W2BVH

>

> Rich Johnson wrote:
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> >homebrew receiver. For example on 20 meter with a 150kHz CW band is a
> >400kHz 3dB bandwidth ok.
> >
> >What is helpful and what is just not necessary.
> >
> >cheers,
> >rich
> >
> >
> >
> >
> >

Date: Wed, 14 Jan 2004 12:38:30 -0600
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [165320] Tenna Dipper Update
Message-ID: <02a701c3dacd\$9c4e3db0\$dbc03fd8@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Only 12 Kits Left.
72
Gene NOMQ

Date: Wed, 14 Jan 2004 14:04:40 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [165321] RE: FISTS
Message-ID: <721D3436A7C2B344A301FD4A413C71A902512575@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

If it were me and I wanted to work the station, I would call anyway, and =
ask the station to tell me more about FISTS. I can't imagine anyone =

refusing under those circumstances.=20

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU=20

> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> CHARLES CURREY

> Sent: Tuesday, January 13, 2004 4:49 PM

> To: Low Power Amateur Radio Discussion

> Subject: FISTS

>=20

>=20

> I have a slightly off topic question for the group on=20

> operating. When I hear a US station calling CQ DX I have=20

> allways thought that the op wanted to contact a foreign=20

> country and I did not answer. If I was correct about that,=20

> then is it also correct not to answer an op calling CQ FISTS,=20

> because he or she is only calling other FISTS members and I=20

> am not one? What do the rest of you non-FISTS folks do?=20

> Thanks in advance for the info.

>=20

> Chuck Currey, kg4qqh

>=20

>=20

Date: Wed, 14 Jan 2004 14:08:32 -0500

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [165322] RE: You must be an ARRL member if....

Message-ID: <721D3436A7C2B344A301FD4A413C71A902512578@kosh.arrlhq.org>

content-class: urn:content-classes:message

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

That one's priceless. I have to wonder what editing process got that in = there. An aggressive "search and replace" that got a bit too aggressive.

Or, perhaps as a non-member, you aren't allowed to use the metric system = any more! :-)

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

ARRL is the National Association for Amateur Radio. It is supported by = membership dues, individual contributions and the sale of publications = and advertising. For more information about ARRL, go to = <http://www.arrl.org/news/features/inside-your-league.html>. For more = information about membership, go to <http://www.arrl.org/join.html>. Your = contribution can also help support ARRL's ongoing efforts to protect = Amateur spectrum. Go to = <https://www.arrl.org/forms/development/donations/basic/> to learn more = about the ways you can support the ARRL programs and activities of most = importance to you. You can help ARRL protect Amateur Radio for you and = future generations to enjoy.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU=20

> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> Alex

> Sent: Wednesday, January 14, 2004 8:14 AM

> To: Low Power Amateur Radio Discussion

> Subject: You must be an ARRL member if....

>=20

>=20

> >From an antenna modeling software tutorial:

>=20

> <quote>

> To show none-metric unit usage we consider ourselves for a=20

> moment as an

> ARRL member=20

> using Inch and Feet as the basic length unit....

> </quote>

>=20

> :-D

>=20

> 73,
> --Alex KR1ST (metric)
> http://www.kr1st.com
>=20

Date: Wed, 14 Jan 2004 12:10:28 -0800
From: "John Dooley W6ZIP" <portscom@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [165323] Wireless network RFI Question
Message-ID: <LAW9-F568NFr9oD6XML00028ca0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I have a wireless Cable/DSL router (Linksys WRT54G) That I can't seem to resolve the RFI to my HF radio. It runs in the 2.4 Ghz spectrum and it KILLS the reciever on my FT-990 and FT-817. I have tried high quality ferite cores and to no avail. Any suggestions?? Possibly besides chucking the entire setup in the dumpster. Thanks for any help,

John W6ZIP
Victorville, Ca.

QRP-1 #2402
ARS #712
FISTS #9371
FPQRP #645

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Date: Wed, 14 Jan 2004 15:11:37 -0500
From: "Patrick Schwarz - KB8RTZ" <kb8rtz@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [165324] Re: End fed wire antennas - How to?
Message-ID: <00ed01c3dada\$9ddae540\$48708318@ce1.client2.attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> You can tell when it's resonant because touching the rig has no affect on
> the SWR and the system tunes to low SWR with the usual capacitance.
>
> 72.5, WN6Q

This bring up an interesting point, and one that I couldn't figure out until now. I extended the length of my antenna and it now tunes at the top of 160m and some others. Prior to this, every time I tuned my swr would change as my hand approached the tuner. I suspected a resonance problem but brushed it off. Should have asked much much earlier. Thanks for the insight. Boy I feel dumb.

Patrick...KB8RTZ...

Date: Wed, 14 Jan 2004 12:22:12 -0800
From: Mark Schoonover <schoon@amgt.com>
To: "'portscom@hotmail.com'" <portscom@hotmail.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [165325] RE: Wireless network RFI Question
Message-ID: <BF889CEBEFD2D511B993009027F60ABEC0BFD1@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

John Dooley W6ZIP <mailto:portscom@hotmail.com> scribbled on Wednesday,
January 14, 2004 12:10 PM:

> I have a wireless Cable/DSL router (Linksys WRT54G) That I can't seem
> to
> resolve the RFI to my HF radio. It runs in the 2.4 Ghz spectrum and
> it KILLS
> the reciever on my FT-990 and FT-817. I have tried high quality

Try contacting the cable company, you could have a poor ground on the cable system where it enters your house. I have the same router, and I have no problem with my 817... HTH

72

.mark

Date: Wed, 14 Jan 2004 16:29:20 +0100
From: "Juanjo Pastor" <ec5aca@wanadoo.es>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [165326] New EA-QRP club site
Message-ID: <001b01c3dadd\$0323a0c0\$8d48523e@ec5aca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hello from EA-Spain,

First of all, I want to wish you all a very happy, prosperous and QRPer new year 2004.

With the beginning of the year, the EA-QRP club has just open its new website at www.eaqrp.com. It's still in construction, but it has given a fresh air blow to our face to the world net. Unfortunately for you it is only in Spanish (I know a number of you can read in Spanish, so feel free to visit us).

Radio ob.: Propagation these days is no good for me to reach the States with my QRP signal and compromise antenna... but I can work loads of fellow europeans, hi hi.

73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742, QRP-L #1662.

Juanjo Pastor
C/San Roque, 4-1
46460 Silla
SPAIN

e-mail: ea5chq@wanadoo.es
web: <http://www.ea5chq.tk>
Tel.: +034 96 120 17 67
Movil: 651 35 35 11

Date: Wed, 14 Jan 2004 15:27:19 -0500
From: "Patrick Schwarz - KB8RTZ" <kb8rtz@comcast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [165327] More antenna questions.
Message-ID: <00f101c3dadcd\$cfa408c0\$48708318@ce1.client2.attbi.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a wealth of information. Now for another question or two or ten.

To make things simple I plan to make a gamma match for a grounded vertical. When I make the gamma match, is the position of the capacitor critical? Meaning, as the center of the coax exits the jacket, does it make a difference if the capacitor is placed there (as illustrated in the antenna handbook), or if the center is extended and the capacitor used as the (adjustable) shorting bar?

Scrunching the antenna to make it compact. For the vertical, I have a Larsen 2m/70cm on glass antenna that has a coil in the middle. I assume this to be a satisfactory way to make the antenna compact. How would this affect a normal unscrunched vertical? With no difference like the hamstick in a helical coil?

Last but not least, antenna placement. Assuming I used several verticals for different bands, how far apart should they be?

Patrick...KB8RTZ...

Date: Wed, 14 Jan 2004 15:35:02 -0500 (EST)
From: <ah7i@atl.org>
To: John Dooley W6ZIP <portscom@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165328] Re: Wireless network RFI Question
Message-ID: <Pine.LNX.4.33.0401141532090.11185-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A common problem with DSL installations is running the unfiltered DSL to all phone jacks in the house and putting a filter at each phone. To minimize RF interference, run a dedicated twisted pair from the telephone companys demarcation point to the DSL box. Install a single filter at the demarcation point and attach the rest of your phone system to the filtered side.

You might also try a shielded twisted pair to the DSL box if the above doesn't quiet things down enough.

-Bob

On Wed, 14 Jan 2004, John Dooley W6ZIP wrote:

>
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> I have a wireless Cable/DSL router (Linksys WRT54G) That I can't seem to
> resolve the RFI to my HF radio. It runs in the 2.4 Ghz spectrum and it KILLS
> the reciever on my FT-990 and FT-817. I have tried high quality ferite cores
> and to no avail. Any suggestions?? Possibly besides chucking the entire
> setup in the dumpster. Thanks for any help,
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> John W6ZIP
> Victorville, Ca.
>
> QRP-1 #2402
> ARS #712
> FISTS #9371
> FPQRP #645
>
>
> -----
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>

Date: Wed, 14 Jan 2004 15:43:18 -0500
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [165329] Re: Front end filters
Message-ID:
<6D6463F31027B14FB3B1FB094F2C7447047DA01C@tayexc17.americas.cpqcorp.net>
Content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

> On the same subject: When there's a preamp in the design, they usually

> put a broad filter in front of it and a narrow filter after it. I
would=20
> have thought it would be better to get rid of most of the unwanted=20
> signals before a gain stage? What am I missing?

The reason is noise. The preamp is going to add some amount of noise, and the narrow filter somewhat attenuates whatever passes through it. To get a feel for it, let's use some round numbers: assume the preamp has 10 dB gain, the narrow filter has 3 dB attenuation, and the wide filter has no attenuation. Then the setup with the wide filter first has an output of $(\text{signal} + \text{preamp_noise}) * 10 * 0.5 = 5 * \text{signal} + 5 * \text{noise}$, while the setup with the narrow filter first has an output of $(\text{signal} * 0.5 + \text{preamp_noise}) * 10 = 5 * \text{signal} + 10 * \text{noise}$.

Thus there's a tradeoff between early filtering (which protects following stages from signals that can cause intermodulation distortion) and noise figure. By using robust mixers and amplifiers you can make the tradeoff easier to manage, but at the cost of higher receive current. TAANSTAF!

-- Bill, AB1AV

Date: Wed, 14 Jan 2004 15:53:26 -0500
From: "Ken Alexander" <kpathai@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [165330] RE: Wireless network RFI Question
Message-ID: <Sea2-F28Y55ZodTWaSO00055a13@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wait!!

Which entire setup are you planning on chucking out? If it's the ham equipment, then let me know first. I've always wanted a FT-990...chuck it my way!

Seriously though, not that I'll be able to help much, but your success surely depends on exactly which ferrites you used. You also don't mention where you installed them, i.e., at the router, the ham equipment, or both? That info would be useful, too.

73,

Ken - VE3HLS
Sharon, ON
KX1 #112, FPqrp #716

>From: "John Dooley W6ZIP" <portscom@hotmail.com>
>Reply-To: portscom@hotmail.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Wireless network RFI Question
>Date: Wed, 14 Jan 2004 12:10:28 -0800
>
>
>
>I have a wireless Cable/DSL router (Linksys WRT54G) That I can't seem to
>resolve the RFI to my HF radio. It runs in the 2.4 Ghz spectrum and it
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>

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<http://join.msn.com/?page=dept/bcomm&pgmarket=en-ca&RU=http%3a%2f%2fjoin.msn.com%2f%3fpage%3dmisc%2fspecialoffers%26pgmarket%3den-ca>

Date: Wed, 14 Jan 2004 15:11:51 -0600
From: "Gene Sailsbury" <gsailsbury@mobil1.net>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [165331] Tenna Dipper Kits SOLD OUT
Message-ID: <058401c3dae3\$085d27e0\$dbc03fd8@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry all kits are spoken for at this time. If someone does not pay for one I will repost it. So please to do not send anymore emails for the kits. The will be retired for now and look at it again in the future. One person we forgot to give a thank you was Doug Hendricks who spent time this summer at my QTH helping me setup the Tenna Dipper kit. I learned it takes a lot of time and know how. So thanks to everyone that supported the 4SQRP Group in this venture and thanks to the AMERICAN QRP Club for their support. Thanks for the bandwidth.

72

Gene N0MQ
4SQRP Group

Date: Wed, 14 Jan 2004 15:16:48 -0600
From: "Oldtimer" <res075cz@gte.net>
To: <portscom@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [165332] Re: Wireless network RFI Question
Message-ID: <003401c3dae3\$b9061200\$6400a8c0@k5rov>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

John, Last week I bought the Microsoft router and Cardbus adapter for my laptop. I had loads of trouble with it (not noise problems) and had to return it. Saturday I went to buy the Linksys gear because my last non-wireless router was of that same make and I was pleased with it. They did not have the wireless Linksys but they highly recommended the D-Link system. I bought it and brought it home, connected it up and it works great! No noise on any band that I can tell. I checked it from 40 to 10 meters and cannot detect any noise. I bought the D-Link system at Office Max at a great price plus a very good mail-in rebate. My rigs are an IC-756PRO and an IC-706.

If all else fails, and you can return it, that is an option.

73 de Jim, K5ROV

Ham for over 60 years, 80 % CW, 10 % digital, 10 % SSB
K5ROV@arrl.net. ARMS, ARRL, Ex: W1RLA, K5FBB, K4FEO,
SV0WN (Crete), SV0WN (Rhodes), DL4NC, DL4JP, KA2FC (Japan) ,
KA2JP (Japan).
John 3-16

----- Original Message -----

From: "John Dooley W6ZIP" <portscom@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, January 14, 2004 2:10 PM
Subject: Wireless network RFI Question

>
>
> I have a wireless Cable/DSL router (Linksys WRT54G) That I can't seem to
> resolve the RFI to my HF radio. It runs in the 2.4 Ghz spectrum and it
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> -----
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>
>

Date: Wed, 14 Jan 2004 14:33:47 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: ah7i@atl.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165333] Re: Wireless network RFI Question
Message-ID: <Pine.LNX.4.44.0401141431430.5286-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 14 Jan 2004 ah7i@atl.org wrote:

>

> A common problem with DSL installations is running the unfiltered DSL to
> all phone jacks in the house and putting a filter at each phone. To
> minimize RF interference, run a dedicated twisted pair from the telephone
> companys demarcation point to the DSL box. Install a single filter at the
> demarcation point and attach the rest of your phone system to the filtered
> side.

I got "catagory 3" wire to run directly to my DSL modem and it
works great. The 5 telephones are on the unfiltered side and you never
hear any interference.

>
> You might also try a shielded twisted pair to the DSL box if the above
> doesn't quiet things down enough.
>
> -Bob
>
>
>
> On Wed, 14 Jan 2004, John Dooley W6ZIP wrote:
>
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> >
>
>
--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Wed, 14 Jan 2004 15:40:36 -0600
From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [165334] What Part of Sun Spot Cycle ????
Message-ID: <031401c3dae7\$0c366da0\$8901a8c0@Earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I realize there is such a thing as an 11 year sun spot cycle and things can get downright stinko at the low end of the cycle as far as radio wave propagation goes.

Without getting all technical on me and talking about K indexes, MUF, geomagnetic activity, ionospheric absorption, aurora effect, F2 ionization and basically showing off your smarts can someone tell me where we are in the 11 year cycle? Are we at the beginning, the middle or the end?

In other words, how much longer do we have to put up with these crappy conditions? I think I got back into the hobby at exactly the wrong time.

Thanks,
Pat

Date: Wed, 14 Jan 2004 13:05:44 -0500
From: "sslyon" <sslyon@megalink.net>
To: <jwsteven@concentric.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: "NEQRP LIST" <neqrp@jona1.net>, "NJQRP," <njqrp@njqrp.org>
Subject: [165335] FYBO; 160m Beacon;
Message-ID: <000201c3dae9\$1ef34380\$13c8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a bummer... I'm mentoring a 3rd grade group for our annual Snow Box Derby that day. I realize any date is no good for someone, but... dang!

I was also wondering if we could extend the low end temp. multiplier in order to encourage folks who live in Thermally Challenged Environments. We "TCE's" need all the encouragement we can get!

For instance, it's nearly 1 PM here at FN44 and the temp hasn't been above minus 12 F, in the sun. It was minus 24 last nite and wind has been up to 50 mph. Don't want to encourage reckless behavior, of course, and want to re-assure concerned folks that one learns quickly the limits and skills to work in these conditions. The ones who don't are usually found during the April Thaw.

I just came in from wood pile stocking and antenna checking and found a twisted/shorted down lead on the 176' doublet. That explains why I couldn't hear much -or be heard on 160m last nite. Made the repairs so will have the beacon on again tonite, on 1.8123. (for sure this time) So far I've got good reports out to first hop radii, including NC, MD, MO, MI. Very gratifying indeed!! Thanks for the reports, and I'm hoping for more as propagation improves.

73

seab

aa1my

Date: Wed, 14 Jan 2004 17:04:34 -0500
From: "sslyon" <sslyon@megalink.net>
To: "qrp list" <qrp-l@lehigh.edu>, "NEQRP LIST" <neqrp@jonal.net>, "NJQRP," <njqrp@njqrp.org>
Subject: [165336] 160m Beacon: 1.8123mHz.
Message-ID: <002201c3daea\$aac140a0\$13c8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings all

I've put the beacon on again, at 1.8123mHz (for sure!) and hopefully each night until we get a good sampling of the propagation from terrible to great. Your observations will be appreciated -and reported when we get something meaningful.

If a few folks around the continent do similar experiments, we'd have a real good idea as to what QRP possibilities actually are

for this very interesting band.

ANTENNA: Horiz.176' c.f. at 55'. Feed >300' of HB ladderline.

TUNER: MFJ 949E

FREQ: 1.8123

RIG: KD1JV DDS rig ~ 4.2 Watts out.

73
seab
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Wed, 14 Jan 2004 17:22:08 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <pwhelton@earthlink.net>
Subject: [165337] Re: What Part of Sun Spot Cycle ????
Message-ID: <019701c3daec\$d9851360\$090044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, we're heading into the trough. But I would suggest we are getting some unusual stuff lately -- a lot of the noise of the peak, without the good propagation.

Check out

<http://science.nasa.gov/ssl/pad/solar/sunspots.htm>

for a handy little graph.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>

didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 14, 2004 4:40 PM
Subject: What Part of Sun Spot Cycle ????

> I realize there is such a thing as an 11 year sun spot cycle and things
can
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> propagation goes.
>
> Without getting all technical on me and talking about K indexes, MUF,
> geomagnetic activity, ionospheric absorption, aurora effect, F2 ionization
> and basically showing off your smarts can someone tell me where we are in
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> In other words, how much longer do we have to put up with these crappy
> conditions? I think I got back into the hobby at exactly the wrong time.
>
> Thanks,
> Pat
>
>

Date: Wed, 14 Jan 2004 15:28:19 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Cc: "'w2bvh@comcast.net'" <w2bvh@comcast.net>
Subject: [165338] Re: Front end filters
Message-ID: <7FD24C15A06DD511BF9E00D0B73E99520D734E76@az33exm05.corp.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

>On the same subject: When there's a preamp in the design, they usually
>put a broad filter in front of it and a narrow filter after it. I would
>have thought it would be better to get rid of most of the unwanted
>signals before a gain stage? What am I missing?

The narrower the filter, the higher the loss. A filter that has higher Q
components (inductors) can be made into a narrower filter for the same loss.

In general, most of the T-50 sized toroid cores have Qs in the 200 to 300 range, so a 14 MHz bandpass filter is often 400 KHz or so to keep the loss under 1 db. On the other hand, a crystal has a Q of 300,000 or so, which allows us to have 500 Hz bandpass filters with only a few db of loss.

Because the preamp is being used to establish a low noise figure for the receiver, it needs to have a low loss in front of it, since filter loss will degrade the resulting noise figure db for db. After the signal has been amplified and the noise figure established, a more narrow filter (with higher loss) can be used without hurting the sensitivity as much.

In general the first filter width is a trade between signal rejection performance (bandwidth) and loss (effect on receiver sensitivity).

- Dan, N7VE

Date: Wed, 14 Jan 2004 17:32:42 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>
Subject: [165339] OT: HP Lab Equipment
Message-ID: <6.0.0.22.2.20040114170731.01e22710@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Folks... there's a HP equipment vendor on ebay who is moving; and early last week had some of the starting bids set so low, they were unreal. I bought 5 pieces of this stuff for the parts (cabinets, power supplies, etc.) Most of them are in very nice-to-excellent condition-which was one thing that attracted me besides the price: the cabinets would make really nice large receiver/etc. cabinets. Three pieces are data acquisition and 2 are "modulators". Supposedly, they are all checked out as operational.

The more I have thought about it, the more I thought maybe I should check and see if anybody NEEDs this stuff before I disembowel it. It isn't here yet; each one was ~ 40 lbs and cost about \$1/lb to ship from PA to GA.

The HP numbers are: 1) HP 8403A-17 modulators (I have 2);
2) HP 3497A-5 Data Acquisition and Control;
3) HP 6944A-10 Multiprogrammer; and
4) HP 59824A-5 w/GPIO & 2 other cards.

Here's the thing: if you don't have-or know someone with-a NEED for these, don't ask to buy them. I don't WANT to sell them, and I DO want the

parts... it just seems like a waste to do that to 'em if someone actually CAN use them. I would only want my cost which you're not going to believe-plus the shipping. I do have photos. The dash# ("-1") after each HP# was my COST!!!

Please respect my wishes about needing these, and unless you PERSONALLY know the lab guy who might need a unit, do not pass this on.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Wed, 14 Jan 2004 15:39:16 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [165340] Cable for ScQRPion Paddle
Message-ID: <4005C513.342EB507@swlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

Some people have inquired as to where to find a small cable for the AZ ScQRPion paddle. Last Saturday, John Stevens, K5JS, and I attended the Glendale hamfest looking for bargains. Not a lot was found but on the way home, we stopped at a dollar store about a mile from my house. There we found new stereo headphones for a buck. I bought a pair and John bought a couple. After I got home, I cut off the cable and checked it out. It was a nice small cable with a right angle 1/8 inch stereo plug molded on to it - just right for the paddles. The earphones were disassembled and I found nice 32 ohm, 30 mm diameter speakers with a 0.25 watt rating. These may come in handy for sidetone speakers, etc. So for a buck I got two speakers, a cable, and a nice molded 1/8 inch plug. That's hard to beat! Check out the dollar store. It may surprise you.

Jerry W5JH

Date: Wed, 14 Jan 2004 22:43:27 +0000
From: "Bill Rowlett" <kc4atu@hotmail.com>
To: pwhelton@earthlink.net, qrp-l@Lehigh.EDU
Subject: [165341] RE: What Part of Sun Spot Cycle ????
Message-ID: <Law15-F80qozx1KT15G0001f1d8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

There is never a wrong time. I have worked dx on 10, 15, and 20 meters at the bottom of the cycle in the past, so the up coming one should be no different. What operating through the bottom of a cycle does is make you a better operator for the high times at the peak of the cycle.

Do no remember the date, but the peak of the present cycle was a couple of years ago. So, we have a way to go before the upswing will begin.

Hang in there, get on as much as you can, and call cq on what appears to be a dead band. You may be surprized at who may come back to your call. many people tune accross a band way to fast and they miss many signals.

This is a hobby, so have fun.

73, Bill kc4atu

>From: "Pat Whelton" <pwhelton@earthlink.net>
>Reply-To: pwhelton@earthlink.net

>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: What Part of Sun Spot Cycle ????
>Date: Wed, 14 Jan 2004 15:40:36 -0600
>
>I realize there is such a thing as an 11 year sun spot cycle and things can
>get downright stinko at the low end of the cycle as far as radio wave
>propagation goes.
>
>Without getting all technical on me and talking about K indexes, MUF,
>geomagnetic activity, ionospheric absorption, aurora effect, F2 ionization
>and basically showing off your smarts can someone tell me where we are in
>the 11 year cycle? Are we at the beginning, the middle or the end?
>
>In other words, how much longer do we have to put up with these crappy
>conditions? I think I got back into the hobby at exactly the wrong time.
>
>Thanks,
>Pat
>

Rethink your business approach for the new year with the helpful tips here.
<http://special.msn.com/bcentral/prep04.armx>

Date: Wed, 14 Jan 2004 22:52:12 +0000
From: kd4pbj@att.net
To: qrp-1@lehigh.edu
Subject: [165342] SMT resistor kit needed
Message-ID: <011420042252.10087.6716@att.net>

I borrowed some QRP Quarterlies from someone several years ago and remember a mention in there of some company that sold Surface mount resistor kits and had reasonable prices. Does anyone recall what company that may be? Thanks.

Chris Waldrup

KD4PBJ

Date: Wed, 14 Jan 2004 15:04:08 -0800
From: Bob W7AVK <rsrolfne@atnet.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [165343] Re: Cable for ScQRPion Paddle

Message-ID: <4005CAE8.543C4B09@atnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jerry and Folks - Used the same earphone set from our local "Dollar Store". Might add I was at a loss as how to hold the small wires in place under the paddle. Then came the idea upon using a dab of clear epoxy glue. Works fine.

BTW - If anyone can't find the earphones and would like me to get them a pair glad to do so for the costs and postage. I've two such stores in our area, one was sold out, but the other had them.

73 Bob W7AVK

Jerry Haigwood wrote:

> Folks,
> Some people have inquired as to where to find a small cable for the
> AZ ScQRPion paddle. Last Saturday, John Stevens, K5JS, and I attended
> the Glendale hamfest looking for bargains. Not a lot was found but on
> the way home, we stopped at a dollar store about a mile from my house.
> There we found new stereo headphones for a buck. I bought a pair and
> John bought a couple. After I got home, I cut off the cable and checked
> it out. It was a nice small cable with a right angle 1/8 inch stereo
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> So for a buck I got two speakers, a cable, and a nice molded 1/8 inch
> plug. That's hard to beat! Check out the dollar store. It may
> surprise you.
>
> Jerry W5JH

Date: Wed, 14 Jan 2004 17:13:24 -0600
From: "Burl A. Keeton" <n5duq@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [165344] RE: QRP ++
Message-ID: <20040114.172129.-603897.7.n5duq@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks gentlemen,

Thanks to all those that corresponded with my request for a trade for a
Index Lab QRP ++. I have forwarded all the responses to him and he
will be contacting you if he is interested in what you have.

Burl Keeton N5DUQ OKC OK

End of QRP-L Digest 3165
